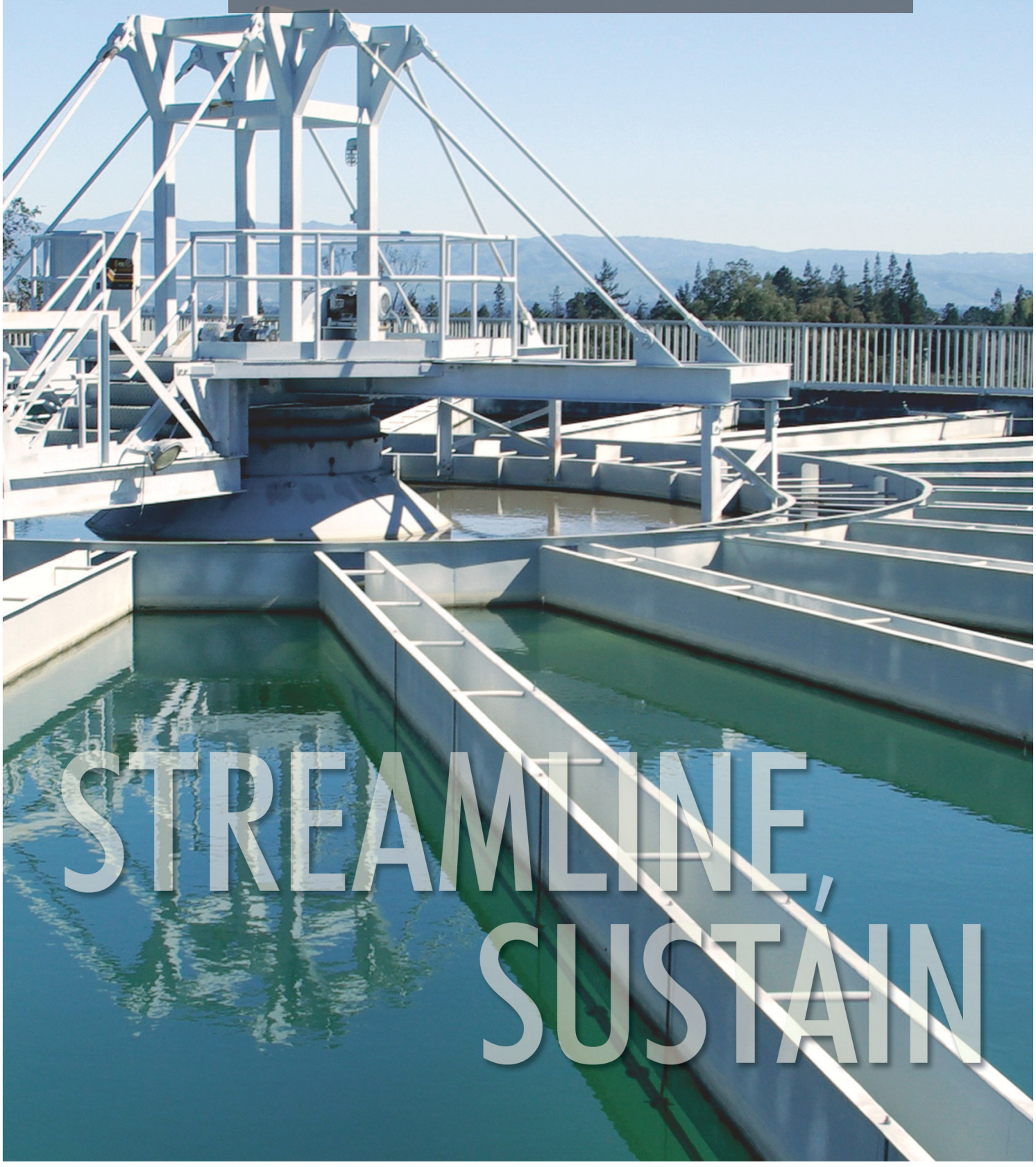
Santa Clara Valley Water District℠

2008/2009

Capital Improvement Program



STREAMLINE, SUSTAIN

CIP CAPITAL IMPROVEMENT PROGRAM

Santa Clara Valley Water District

2008/2009
CAPITAL IMPROVEMENT PROGRAM

BOARD OF DIRECTORS

Rosemary C. Kamei, Chair
District 1

Sig Sanchez, *Vice-Chair*
At Large

Joe Judge
District 2

Richard P. Santos
District 3

Larry Wilson
District 4

Patrick Kwok
District 5

Tony Estremera
At Large

Submitted by

Olga Martin Steele
Chief Executive Officer

TABLE OF CONTENTS

INTRODUCTION

Budget Outlook I-1
"Streamline and Sustain" for FY 2008-09 ..... I-2
Priorities and Challenges I-4
Revenue Outlook I-6
Local Economy I-10

OVERVIEW

Overview II-1
Alignment with Ends Policies II-1
CIP Planning Process II-2
Fiscal Year 2008-09 CIP Summary II-5

WATER SUPPLY CAPITAL IMPROVEMENTS

Water Supply Overview III-1
Priority Process and Financial Analysis III-2
Water Supply Capital Improvements & Funding Source III-3
Storage Facilities Project Pages III-5
Transmission Facilities Project Pages III-29
Treatment Facilities Project Pages III-69
Recycled Water Facilities Project Pages III-125

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Flood Protection Overview IV-1
Priority Process and Financial Analysis IV-2
Flood Protection Capital Improvements & Funding Sources IV-3
Lower Peninsula Watershed Project Pages IV-5
West Valley Watershed Project Pages IV-13
Guadalupe Watershed Project Pages IV-29
Coyote Watershed Project Pages IV-37
Uvas/Llagas Watershed Project Pages IV-53
Multiple Watersheds Project Pages IV-59

MITIGATION CAPITAL IMPROVEMENTS

Mitigation Overview V-1
Priority Process and Financial Analysis V-1
Mitigation Capital Improvements & Funding Sources V-2
Mitigation Project Pages V-3

TABLE OF CONTENTS

ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

Environmental Enhancement Overview I-1
Priority Process and Financial Analysis VI-1
Environmental Enhancement Capital Improvements & Funding Sources .. VI-2
Environmental Enhancement Project Pages VI-3

BUILDINGS AND GROUNDS CAPITAL IMPROVEMENTS

Buildings and Grounds Overview.....VII-1
Priority Process and Financial Analysis.....VII-1
Buildings and Grounds Capital Improvements & Funding Sources VII-2
Buildings and Grounds Projects Pages VII-3

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

Information Technology Overview VIII-1
Priority Process and Financial Analysis VIII-1
Information Technology Capital Improvements & Funding Sources VIII-2
Information Technology Projects Pages.....VIII-3

FINANCIAL PLANNING AND SUMMARY

CIP Financial Planning IX-1
CIP Funding Summary IX-5
Project Funding Schedules
- Water Enterprise Fund IX-6
- Watershed and Stream Stewardship Fund IX-8
- Clean Safe Creeks and Natural Flood Protection Fund IX-9
- General Fund IX-9
- All Funds IX-10

APPENDICES

Appendix A – CIP Priority Criteria.....X-1
Appendix B – Project List by Priority X-5
Appendix C – District Partnership Summary List.....X-9
Appendix D – Summary of Capital Expenditures X-11
Appendix E – Glossary X-13
Appendix F – Index X-17



The Santa Clara Valley Water District

is the primary water resources agency for Santa Clara County, California. Our key products and services are wholesale treated water; flood protection; environmental stewardship; and open space and trails.

Valley Water provides a reliable supply of clean, safe water for the more than 1.8 million people of our service area. We also work to protect residents and businesses from the devastating effects of flooding, and serve as environmental steward for the county's 800-plus miles of streams and creeks, groundwater basins and District-owned reservoirs.

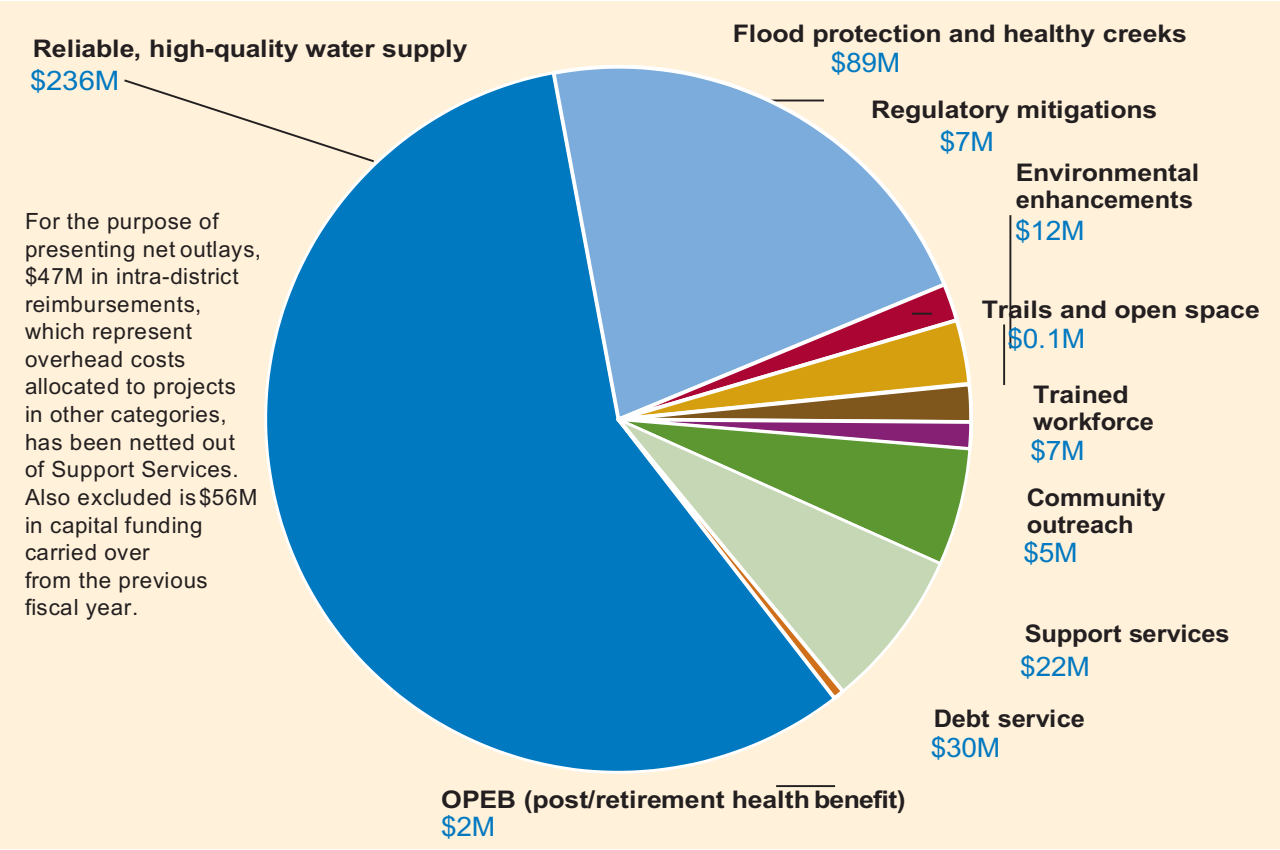
The Santa Clara Valley Water District is unique in the state as an independent special district with countywide responsibility for multiple aspects of water resources management.

"STREAMLINE AND SUSTAIN" FOR FY 2008-09

Valley Water is confronting a challenge familiar to many in the current economic climate: How can we pursue our mission and maintain excellent service levels while facing rising costs in an uncertain state and national economy? Our response is to "streamline and sustain" – constrain internal costs and shift existing resources toward core business work that directly benefits the community. By eliminating 28 vacant positions, cutting overtime by half and making numerous operational changes, the District has kept FY 2008-09 operating outlays at approximately the same level as the previous fiscal year.

What does the budget pay for?

Total Operating and Capital Outlays $411M



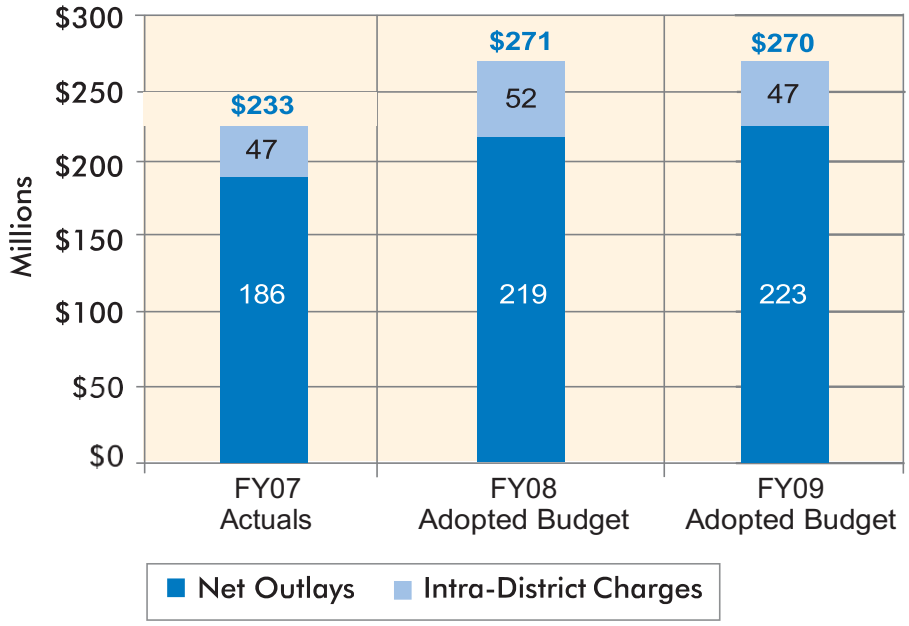
The chart shows the District's FY 2008-09 budget by outcome areas for each Ends Policy.

SANTA CLARA VALLEY WATER DISTRICT MISSION

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally-sensitive manner.

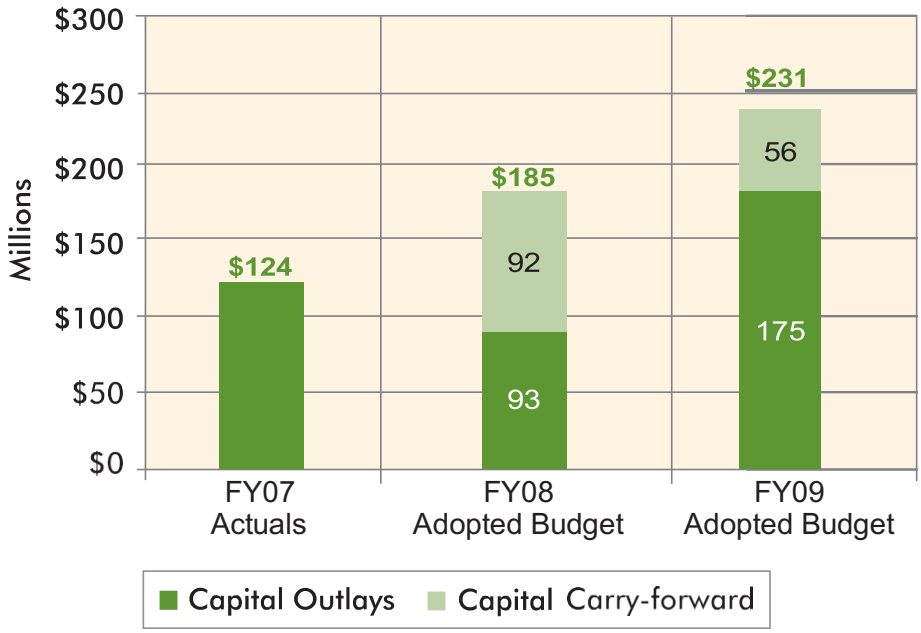
VISION: GETTING CLEANER, GREENER AND LEANER TOGETHER

Operating outlays



Net outlays in FY 2008-09 have increased by 2% from the previous year. Intra-district charges represent overhead and internal service charges between district funds.

Capital outlays



This chart shows funding for capital projects identified in the District's FY 2008-09 Five-Year CIP.

PRIORITIES AND CHALLENGES

Like other water agencies in California, the District must respond to several critical industry trends and challenges, all of which are reflected in the adopted FY 2008-09 budget:

Local, state and national economic impacts

As a partial response to California's budget crisis, the state Legislative Analyst is proposing a permanent shift of $2.5 million from water and wastewater agencies in Santa Clara County. For the District, this could mean an estimated loss of annual property tax revenue in the range of $2.5–9 million. Should this shift occur the District could be forced to increase groundwater charges to continue to provide critical water supply services.

Scarcity of water supplies

In 2007, dry conditions throughout the state and pumping restrictions in the Bay-Delta resulted in a reduced imported water supply. At the same time, with little rainfall, local water use increased by six percent, and groundwater basins are only now recovering from additional pumping. Although rains in early 2008 promised to restore hydrologic conditions to near average, we experienced the driest March and April of record; locally and statewide, 2008 is shaping up to be another dry year. Compounding these issues, the District's imported water deliveries continue to be subject to increasing risks and uncertainty, including cutbacks from regulatory actions in the Delta. Despite these uncertainties and challenges, indicators point to our ability to meet current demand for FY 2008-09.

In 2007 the water district received a U.S. Environmental Protection Agency "Water Efficiency Leader" award for helping county residents and businesses save more than 18 billion gallons of water a year. These water savings, made possible by the district's water-use efficiency programs, amount to about 12 percent of Santa Clara County's annual water use and are enough to serve 110,480 families a year.

Infrastructure maintenance

Valley Water owns and operates a vast array of infrastructure, some of which was built in the 1930s. This infrastructure–including treatment plants, dams, pipelines, canals, pumps and levees–is aging, and requires funding for maintenance and refurbishment. The threat of damage from earthquakes and from invasive species such as zebra and quagga mussels further highlight the importance of this issue.

Repairing and upgrading aging infrastructure is a primary purpose for the District's Capital Improvement Program, or CIP. The FY 2008-09 budget includes CIP funding of $231 million, including unspent funds carried forward from the previous fiscal year. FY 2008-09 CIP highlights for the water utility include work at the Pacheco Pumping Plant, which pumps imported water to the county from the federal Central Valley Project via the San Luis Reservoir. Two large pumps will be rebuilt. A large regulation tank will be taken off-line and relined, followed by seismic analysis and evaluation of the existing corrosion protection system. Several projects grouped together under the Facility Renewal Program will upgrade infrastructure at the Rinconada Water Treatment Plant, with FY 2008-09 funding of $16.9 million.

Flood protection capital highlights for FY 2008-09 include partnering with the U.S. Army Corps of Engineers (Corps) for planning and design of a project to protect more than 2,900 parcels from flooding along Berryessa Creek in San Jose. Construction will be completed on Lower Silver Creek from Coyote Creek to Interstate 680 on a project in partnership with the Natural Resource Conservation District that will protect properties from flooding, enhance habitat and fisheries potential, and improve pedestrian bridges and access to future trails. Design of a restoration project along Jacques Gulch, a tributary to Almaden Reservoir, will be completed in FY 2008-09, allowing removal of mercury calcine deposits, restoring habitat and stabilizing stream banks.

Rising capital costs

Bringing needed capital projects from planning to construction is rapidly becoming more expensive. This increase in capital costs is driven by global raw material demand, and by rising delivery, fuel and labor costs. Based on a study of these costs, the District will incorporate a 7 percent inflation rate for its construction projects in FY 2008-09. This composite rate of material, equipment and labor costs corresponds to the Engineering News-Record (ENR) San Francisco Area Construction Cost Index for percent change over the last fiscal year.

Planning for ongoing climate change impacts

Acknowledging that climate change impacts are real and must be accounted for in planning, the District is studying how to incorporate climate change modeling into its activities. In FY 2007-08, the District Board amended its governance policies to reflect a commitment to achieving carbon neutrality, including the following: The District will strive to minimize its greenhouse gas emissions, work with the community to reduce its greenhouse gas emissions related to utilization and management of water resources and enhance community understanding of climate change and how it challenges the District's mission.

The District received the American Water Works Association 2006 Outstanding Energy Management Award and Breathe California's 2007 Leadership Award for its climate protection efforts.

Planning activities for climate change response are funded in the FY 2008-09 adopted budget. These planning activities may result in future capital projects.

Succession planning

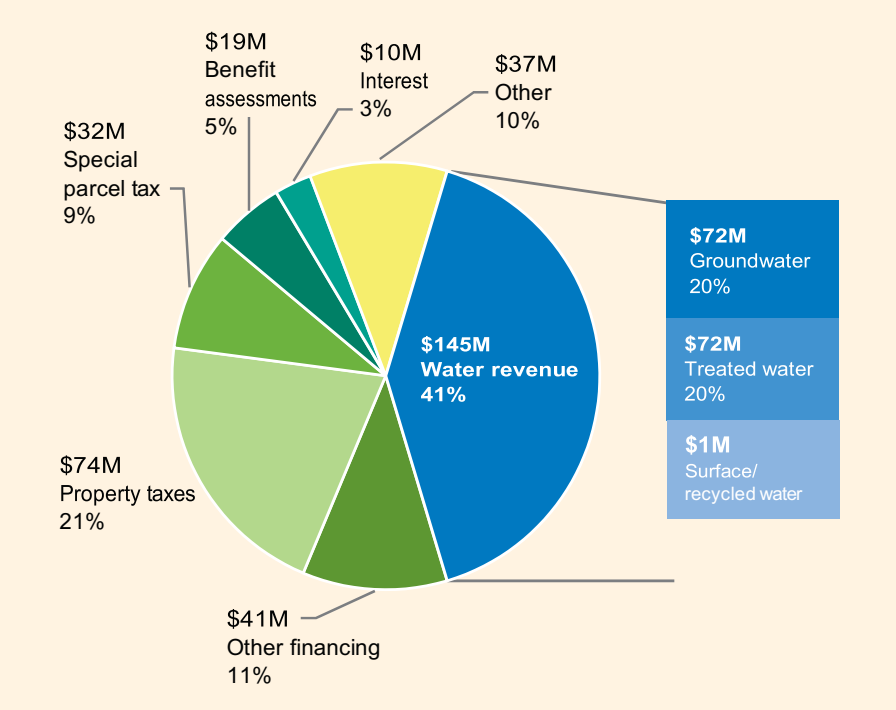
Nationally, the water industry is facing the impending retirement of many highly-trained employees and a concurrent shortage of highly-skilled staff to take their place. At Valley Water, a pilot program is allocated $0.5 million in the FY 2008-09 adopted budget to address staff retirements and develop a systematic process for evaluating future staffing needs.

REVENUE OUTLOOK

The District's two core business programs— the Water Utility Enterprise and Flood Protection and Stream Stewardship—derive their revenues from a variety of sources. This variety helps provide some degree of financial stability, but is still subject to external factors that can have significant impact on available revenue amounts. The FY 2008-09 adopted budget includes projected revenues of $317 million–a net increase of 5 percent over the previous fiscal year–plus $41 million of other financing for a total of $358 million.

The Water Utility Enterprise derives its revenues primarily from wholesale water sales; groundwater extraction charges; income from investments; a percentage of the county ad valorem property tax; and grants. While the Board of Directors has the ability to set groundwater charges as necessary to fund operations and capital improvements, there is increasing pressure from retailers to limit rate increases. Water utility revenues are also sensitive to the amount of rainfall the county experiences in any given year. For example, in FY 2004-05 and FY 2005-06, actual revenues fell below budgeted estimates by approximately $10 million in each year due to higher

FY2008/09 Revenue and Other Financing, $358M



The District's main revenue sources are groundwater charges and wholesale water sales; property taxes; other financing; and the Clean, Safe Creeks special parcel tax.

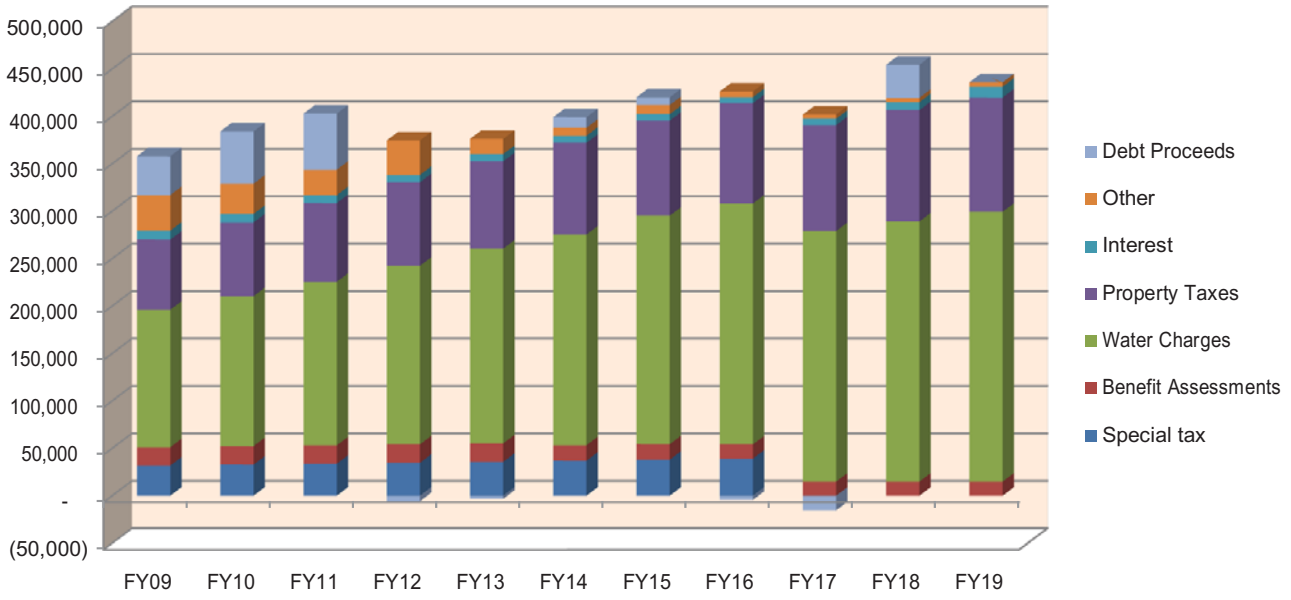
than average rainfall. These "wet" years result in a lower demand for water from the District's water retailers, and correspondingly lower water sales. For FY 2006-07, water demand was average and actual revenues met the budget.

FY 2007-08 is shaping up to be an average year in terms of water demand despite being a dry year from a water supply perspective. Given the dry year, water demand could have been higher but for the efforts of county residents, who responded to the Board's call for voluntary 10 percent conservation beginning in June 2007. Water revenue in FY 2007-08 is expected to meet budget.

The Flood Protection and Stream Stewardship Program derives its revenues from a portion of the county ad valorem property tax; the Clean, Safe Creeks special tax; benefit assessments; proceeds from debt financing; and income from investments. Capital reimbursements from local, state and federal sources, and to a lesser degree, grants, provide the balance of available funding.

The District is allocated revenue from ad valorem taxes levied on land within the county, and also directly levies taxes to meet debt service obligations. At an estimated $73.8 million, property taxes are 23.3 percent of total revenues for FY 2008-09, a net increase of 2 percent over FY 2007-08.

District Revenue Projection



This chart identifies the District's 10-year projected revenue by source.

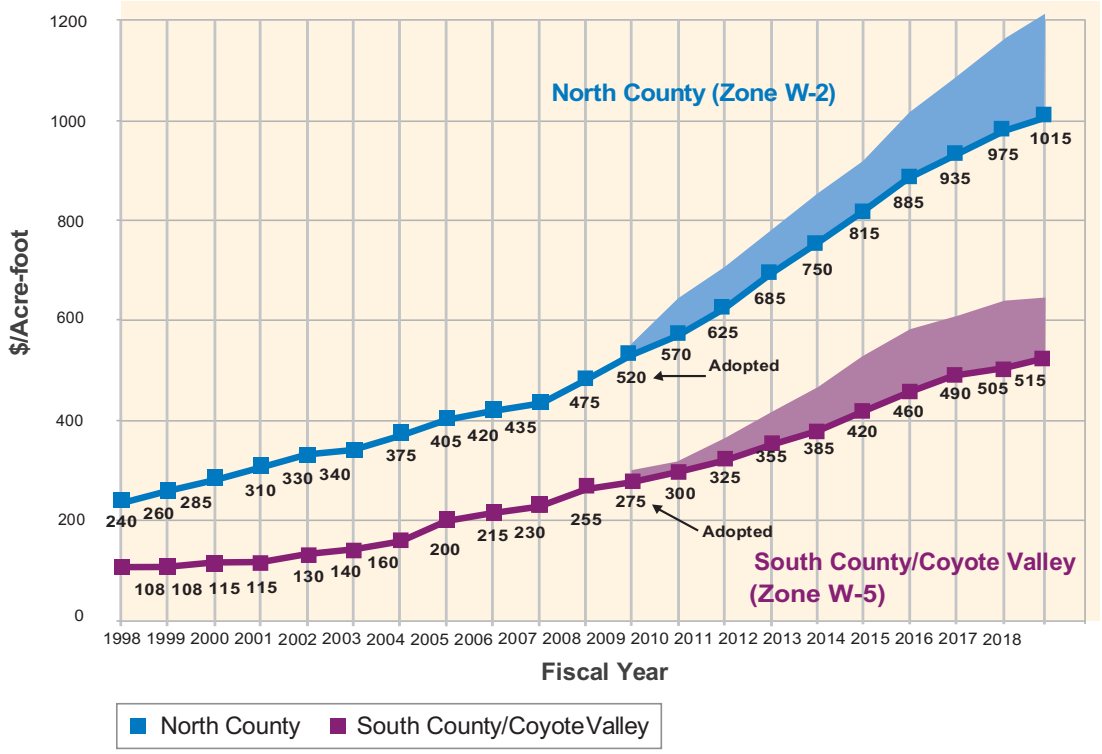
Groundwater charges overview

Groundwater charges recoup costs associated with providing benefits and services to users within a water utility zone as authorized by the District Act. For FY 2008-09, these charges provide approximately 40 percent of water utility revenue.

Adopted groundwater charges for FY 2008-2009 are the same as projected last year and fund critical capital project needs. The recommended charges fund increases in operations costs associated with inflation to maintain current service levels. They reflect reprioritization of work to address critical needs first, coupled with delay of some planned capital improvement projects and trimming of some lower-priority expenses.

Because infrastructure and service levels differ between the north (W-2) and south (W-5) county zones of benefit, groundwater charges differ in these two service areas.

Groundwater Charges Projection for Municipal and Industrial Uses



The District's adopted groundwater charges for FY2008-09 are $520 per acre-foot for north county municipal/industrial customers, and $275 per acre-foot for south county municipal/industrial customers, as shown on the chart above. The charge amounts reflect differences in infrastructure and service levels in the two regions.

The high end of the range represents groundwater production charges to fund operations and capital projects to meet Board ends policies over the period shown. The lower end represents adopted charges for FY2008-09 and projected groundwater charges to maintain current operating services at the same level provided in the current year budget.

North county: paying for necessary infrastructure improvements

In the north county, adopted groundwater charges increased 9.5 percent, from $475 per acre-foot to $520 per acre-foot for municipal/industrial customers. The treated water surcharge remained the same at $100 per acre-foot, bringing the total north county treated water charge to $620 per acre-foot. A key driver for the District's groundwater charge projection is the Capital Improvement Program (CIP), one of the primary purposes of which is to replace or refurbish aging infrastructure. The CIP includes 20 new projects needed to maintain water utility infrastructure. Most are repairs and improvements at the treatment plants. Construction cost escalation is projected at 7 percent annually, increased in FY 2007-08 from 3 percent due to rising demand for global raw materials and other cost factors.

Groundwater charges are calculated by acre-foot of water. One acre-foot equals 325,851 gallons, or the amount used by two families of five over one year employing water conservation practices.

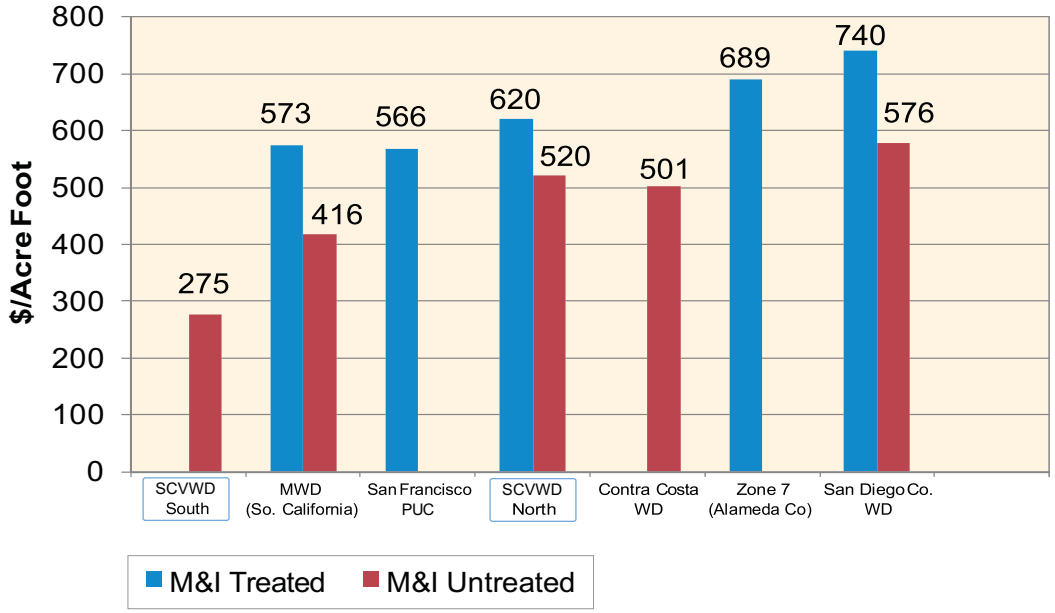
The average north county resident would pay approximately $1.55 per month in additional groundwater charges under the District's adopted FY 2008-09 increase. This amount would cover needed repairs and replacement of aging infrastructure, such as pipeline and pumps.

South county: maintaining service levels, expanding water recycling

Adopted groundwater charges increased 7.8 percent in south county, from $255 per acre-foot for municipal/industrial customers to $275 per acre-foot. Agricultural groundwater charges increased $1 per acre-foot to $16.50. The south county increase will help pay for expanded recycled water services in partnership with the South County Regional Wastewater Authority, maintain infrastructure, and maintain services including water quality testing, imported water purchases, dam and reservoir operations, groundwater management, resource protection and water conservation.

The average resident in south county would see an increase of approximately 69 cents per month. This amount would maintain service levels and expand water recycling.

Wholesale agency benchmarks



The District's south county untreated water charge is about half that of comparator agencies, while north county charges for both treated and untreated charges are in line with comparators.

LOCAL ECONOMY

The economy of Santa Clara County – home to Silicon Valley – is intricately connected to the global economy. That connection is a major element of its strength, encouraging innovation and partnerships. At the same time, global forces can also create challenges to continued growth. The result for our region, as seen in the past year, is moderate economic performance.

After two years of increasing job growth, employment expansion slowed in 2007, adding only 28,000 jobs over the previous year. The development of "green" jobs is a noteworthy component of that growth, however. Industries in the region working to reduce the effect of industrialization on global climate change grew at twice the rate as the rest of the state. In addition, 62 percent of California's venture capital investment in these industries went to Silicon Valley.

Strong ties to global markets also link local job stability to global economic fluctuation. Businesses need to be flexible to stay competitive, but flexibility often translates to employment instability. The biggest change in local workforce is the shift in "mid-wage" jobs. Between 2002 and 2006, mid-wage jobs dropped from 53 percent of total jobs to 46 percent. Support positions in technical fields, general office and customer service are all declining. On the other hand, job growth is occurring in occupations such as plumbers, electricians and medical assistants. Another challenge facing the changing job market is the coming wave of baby-boomer retirees, which will both strain the retirement funds of many organizations and leave a knowledge gap in staff experience.

Median household income has paralleled overall job growth with a similar modest expansion, up 2 percent between 2005 and 2006 (latest data available). And although at approximately $60,000 per capita income is 57 percent higher than the national average, the cost of living in Silicon Valley also remains 47 percent higher. The region's population grew modestly at 1.5 percent, greater than the statewide change of 1.2 percent, and marking the third year in a row of positive population growth.

Housing remains a critical issue for the local economy. Silicon Valley continues to be one of the most expensive housing markets in the country, with only 22 percent of first-time homebuyers able to afford a median priced home in 2007. Apartment rental rates increased 7 percent in 2007. In the commercial sector, vacancies declined for the fourth year in a row, but commercial rents increased for the second year.

A unique and beneficial facet of the local population, county residents tend to be highly educated and ethnically diverse. Nearly 45 percent of adult residents have earned at least one four-year degree, well over the national rate of 27 percent. And 48 percent of valley residents do not speak English at home. Of those, nearly half speak an Asian language, while about 40 percent speak Spanish.

Silicon Valley residents continue to show strong concern for the environment, conserving water and investing in renewable energy. In the last year alone, local solar and wind-based energy production increased more than 20 percent. And on the road, alternative fuel vehicles in Silicon Valley jumped 57 percent in 2005 (the last year for which data is available.) In fact, 11 percent of all hybrid vehicles in the state are driven on local highways.

This "greening" of the valley is reflected in the priorities of the Santa Clara Valley Water District. A county-certified Green Business, Valley Water has amended its policies to reflect a commitment to addressing climate change and achieved registration with the International Standards Organization (ISO) for our District-wide Quality and Environmental Management System.

(Source: 2008 Index of Silicon Valley, Joint Venture: Silicon Valley Network, Silicon Valley: Community Foundation)

OVERVIEW

The Santa Clara Valley Water District (District) Fiscal Year 2008-09 Five-Year Capital Improvement Program (CIP) is a projection of the District's capital funding for planned capital projects from Fiscal Year 2008-09 through Fiscal Year 2012-13. The purpose of the CIP is to serve as a tool to integrate District work with the larger community by aligning District planning with other local planning efforts, and clarifying regional roles to avoid wasteful duplication of effort.

The district's CIP is developed following the guidelines of Government Code (GC) Section 65403 which governs the development and annual review of Capital Improvement Programs developed by special districts in the State of California. State law requires that the program be reviewed and updated annually. It also requires circulation of the document to all planning agencies having land use authority within the District prior to adoption of the program. This document is intended to provide the information necessary to allow planning and construction of facilities to meet the needs of Santa Clara County.

SANTA CLARA VALLEY WATER DISTRICT

Mission

The mission of the District is a healthy, safe, and enhanced quality of living in Santa Clara County through watershed stewardship and comprehensive management of water resources in a practical, cost-effective and environmentally sensitive manner.

Vision
Getting Cleaner, Greener and Leaner, Together

The CIP is prepared in accordance with the guidelines established by the Government Finance Officer Association (GFOA). The capital projects in this document exceed $50,000 in cost, have long-term life spans and are generally nonrecurring. They usually fall within one of the following six categories.

1. Acquisition of land for public purpose
2. Construction of a significant facility, i.e. a flood protection facility, a water treatment facility, or a building
3. Addition to or expansion of an existing facility
4. Nonrecurring rehabilitation or major repair to all or part of a facility provided the total cost is more than $50,000
5. Specific planning, engineering study, or design work related to an individual project which falls within the above categories
6. Significant one-time investment in tangible goods of any nature, the benefit of which will accrue over several years. Examples include items such as large initial investments or improvements in technology or the purchase of a new telephone system.

There are some miscellaneous capital expenditures incurred by the District that do not warrant a project plan and as such are not captured in the CIP documentation. These capital expenditures include certain components of water purchases, indirect costs to manage and train staff that are fully engaged in capital work, and routine replacement of computers, vehicles and large equipment.

ALIGNMENT WITH ENDS POLICIES

The District plans, manages and carries out capital improvements to comply with the Ends Policies and Executive Limitations established by its Board of Directors. Under the District's Policy Governance Model, Ends Policies describe the outcomes or results to be achieved by District staff. Balancing the Ends Policies are the Executive Limitations, which set limits on staff activities in fulfilling the Ends.

Program plans or master plans are developed to achieve the results established by the Ends Policies and to further define the goals and objectives of each Ends Policy. The Board either formally approves the plans or provides direction to staff, confirming the goals and objectives. These plans then become the basis for staff to propose and develop individual capital projects.

Alignment of the CIP with program or master plans provides a direct link to Ends Policies and ensures the District's long-term capital investments are planned and executed according to the Board's priorities. Four Ends Policies directly drive program or master plans and the types of capital improvements described in the CIP.

- Ends Policy E-2.1 "There is a reliable supply of healthy, clean drinking water."
- Ends Policy E-2.2 "There is reduced potential for flood damages."
- Ends Policy E-3.1 "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."
- Ends Policy E-3.2 "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

(See flowchart "CIP Process Alignment with Ends Policies" on page II-4)

CIP PLANNING PROCESS

The District conducts an annual planning process for its Capital Improvement Program. The purpose of the planning process is to ensure the capital projects included in the CIP:

- meet the Board's priority and contribute to the objectives of the District's various programs
- have identified funding for the duration of the projects
- are coordinated with the local jurisdiction's General Plans.

The CIP planning process is carried out in accordance with the following Executive Limitations.

- Executive Limitation EL-4.1.1., "The CEO shall not fail to produce an annual Rolling Five-Year Capital Improvement Program with the first year serving as the adopted capital budget and the remaining years in place as a projected capital funding plan."

- Executive Limitation EL-4.2.1., "The CEO shall not fail to demonstrate to the Board the planned expenditures for the identified and selected capital projects in the Rolling Five-Year Capital Improvement Program do not deviate materially from the Board's priorities."

The annual CIP process is the responsibility of the CIP Committee comprised of division/office managers, with the responsibility to initiate or implement capital projects. The detailed process is a documented ISO procedure. It includes the following key steps:

- Management review and approval, to ensure staff proposed projects are aligned with Board policies and approved program plans
- Prioritization of all projects, including continuing and newly proposed projects, to ensure the projects in the CIP reflect Board priorities
- Financial analysis, to determine the capacity of the District's capital funding sources to fund the proposed capital projects
- Outreach to local jurisdictions within Santa Clara County, to coordinate the District's Capital Improvement Program with their General Plans
- Board review and direction at appropriate steps, to ensure the CIP reflects Board policies and priorities
- Board adoption of the CIP plan

OVERVIEW

The annual CIP planning process takes approximately 15 months to complete. The process starts with collecting information on proposed new capital projects in July, followed by six months of preliminary scoping, priority and financial analyses to produce a Draft CIP in January. The Draft CIP serves as a multi-year plan, together with other long-term planning efforts of the District, to propose the budget for the following fiscal year. Once the budget is approved by the Board in June, the Draft CIP is revised to incorporate the Board's budget direction. This Draft CIP plan is then reviewed by local jurisdictions for consistency with their General Plans. The Board listens to comments from local jurisdictions, and feedback from a public hearing, then formally adopts the CIP in October.

Board Direction and CIP Outreach

The Board has many opportunities each year to provide direction on projects contained in the Capital Improvement Program. The CIP is developed in parallel with the budget and the water rates. The Draft CIP is presented to the board so they can review it and provide direction to staff, ensuring that the final document is in line with board priorities. Board workshops to discuss the CIP were held on November 21, 2007 and March 24, 2008 and the public hearing for the FY 2007-08 CIP was held on January 8 of 2008. The board reviewed and endorsed the prioritization criteria and directed the following changes.

- Combine the five watershed funds into the Watershed and Stream Stewardship Fund.
- Approve the use of State Subventions reimbursements to fund three projects
    - A portion of Lower Silver Creek from Hwy 680 to Lake Cunningham - construction of box culverts at Capital Avenue and Jackson Avenue.
    - Lower Llagas Capacity Restoration
    - Pond A-8 Applied Study Final Design and Construction.

Each project in the CIP goes through a planning phase, design phase and construction phase. The Board may determine to not implement a project based on various considerations such as financial constraints, environmental impacts or community desire during a project's planning or design phases. Approval of a capital project by the Board occurs at the end of the design phase when the Board approves the plans and specifications to solicit bids for construction of the project.

CIP PROCESS ALIGNMENT WITH ENDS POLICIES

Ends Policy E-2.1
There is a reliable supply of healthy, clean drinking water.

Program Plans or Master Plans
+ **1990** SCVWD Action Plan for reducing disinfection by-product (Board approved)
+ Integrated Water Resource Plan (Board Work Studies)
+ **1999** Producer-Wholesaler Agreement for Supply of Recycled Water between SCRWA and the District (Board approved)
+ **2004** Santa Clara Valley Water District AssetManagement Program Implementation Plan
+ **2005** Urban Water Management Plan (Board approved)
+ **2005** Dam Safety Plan
+ **2005** Water Infrastructure Reliability Plan
+ **2006** South County Water Recycling MasterPlan (Board approved)

FY 2008/2009 CIP
+ **61 - Water Supply Capital Projects**

Ends Policy E-2.2
There is a reduced potential for flood damages.

Program Plans or Master Plans
+ **1986** Benefit Assessment Program (Board approved)
+ **1990** Benefit Assessment Program (Board approved)
+ **2000** Clean Safe Creek Program (Board approved)
+ **2001** Stream Maintenance Program (Board approved)Annual Watershed Facility Inspection Program (for Lower Peninsula, West Valley, Guadalupe, Coyote and Uvas/Llagaswatersheds)
+ Feasibility Cost Sharing Agreements with the US Army Corps of Engineers

FY 2008/2009 CIP
+ **23 - Flood Protection Capital Projects**

Ends Policy E-3.1
Mitigations are implemented to protect watersheds, streams, and the natural resources therein.

Program Plans or Master Plans
+ CEQA commitments
+ Regulatory permitting commitments

FY 2008/2009 CIP
+ **6 - Mitigation Capital Projects**

Ends Policy E-3.2
Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein.

Program Plans or Master Plans
+ Enhancement Program per Clean Safe Creeks Program (Board approved)
+ Enhancement opportunities determined appropriate by the Board
  - Fish and Aquatic Habitat Collaborative Effort
  - Natural Resource Damage Assessment
  - Other

FY 2008/2009 CIP
+ **7 - Environmental Enhancement Capital Projects**

Strategic Support

Program Plans or Master Plans
+ **1990** Facilities Master Plan - Site Analysis Report (Board approved)
+ **2005** Needs Assessment and Plan Feasibility Study

FY 2008/2009 CIP
+ **3 - Buildings and Grounds Capital Project**

Strategic Support

Program Plans or Master Plans
+ **2001** Information System Master Plan
+ **2003** Enterprise-wide Master Communication Plan

FY 2008/2009 CIP
+ **6 - Information Technology Capital Projects**

CIP Prioritization and Financial Analyses

FISCAL YEAR 2008-09 CIP SUMMARY

The recommended CIP for FY 2008-09 includes 106 priority projects to implement the goals and objectives of the District's program plans and master plans. These projects are grouped into six types of improvements.

- *Water Supply Capital Improvements*
  61 projects contributing to Ends Policy E-2.1
- *Flood Protection Capital Improvements*
  23 projects contributing to Ends Policy E-2.2
- *Mitigation Capital Improvements*
  6 projects contributing to Ends Policy E-3.1
- *Environmental Enhancement Capital Improvements*
  7 projects contributing to Ends Policy E-3.2
- *Buildings and Grounds Capital Improvements*
  3 projects supporting District efforts to achieve the Ends Policies
- *Information Technology Capital Improvements*
  6 projects supporting District efforts to achieve the Ends Policies

Each of the 106 projects in the CIP has an identified funding source based on the type of improvement or function of the project.

The principal sources of revenue for the District are property taxes, a special parcel tax, benefit assessments, and water charges for use of groundwater, treated water, and surface water. These revenues are organized into six funds. Each fund has a specific purpose and only finances the operational and capital expenditures related to that purpose. In 2008 the Board decided to combine the individual watershed funds into a county-wide watershed and stream stewardship fund to send the message that the watershed activities are managed for the benefit of the county. This also streamlines most tracking and accounting activities for staff. Benefit assessment funds are dedicated to specific watersheds and the accounting practices to ensure that they are spent and accounted for appropriately have been kept in place. As shown in the chart below, four of the six funds are used to finance the six types of capital improvement in the CIP.

This chart identifies which types of improvement are associated with each of the District's four capital funds.

District Priorities	District Funds			
Type of Improvement	Water Enterprise Fund	Watershed Stream Stewardship Fund	General Fund	Clean Safe Creeks Funds
Water Supply	●			
Flood Protection		●		●
Mitigation	●	●		
Environmental Enhancement	●	●		●
Buildings and Grounds	●	●	●	
Information Technology	●	●	●	

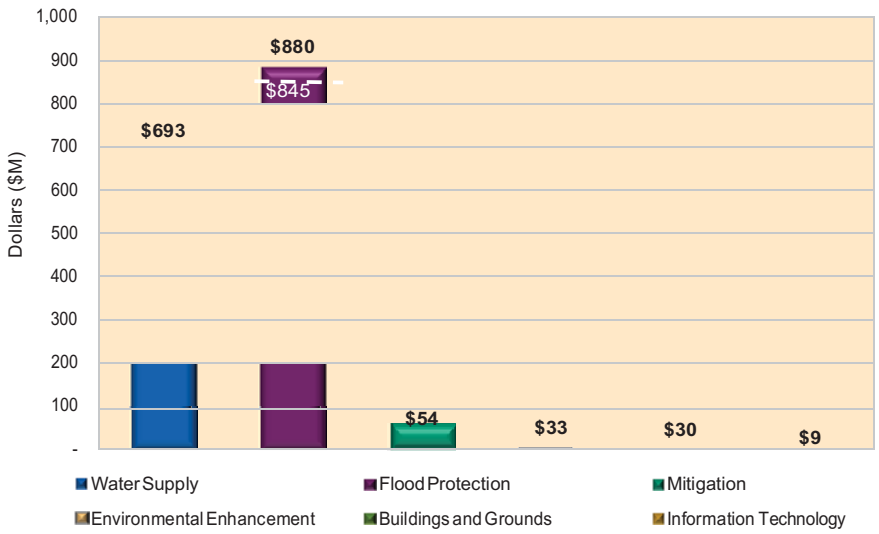
OVERVIEW

The estimated total funding required to implement the 106 projects defined in the CIP is $1.957 billion. The District has been and continues to be successful in leveraging funding for its capital projects through partnerships with federal, state, and local agencies. Of the $1.957 billion total funding, $462 million is expected from the District's various partners, such as the U.S. Army Corps of Engineers, and $1.495 billion from the District. A list of projects that are funded cooperatively with the District's partners is summarized in Appendix C. Funding from partners for the cooperative capital projects generally come in two ways:

- Funds that are made available by the partners when needed, or
- Funds that are reimbursed by the partners after the District advances the needed funds.

Of the $462 million that is expected from the District's partners, $205 million is advanced by the District and reimbursed later. This $205 million is included in the CIP, and increases the District's total funding requirement from $1.495 billion to $1.7 billion, to ensure that the District has adequate funding to advance the reimbursement.

CIP Funding by Type of Improvement

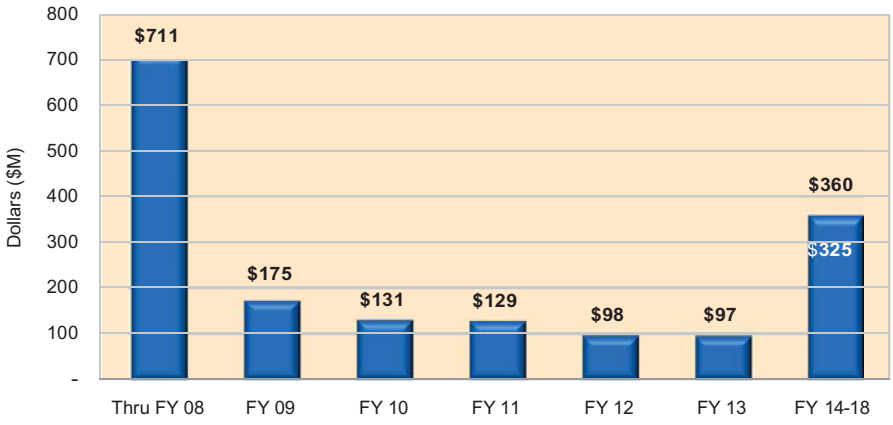


The chart above shows the distribution of the $1.7 billion total CIP funding as planned in the FY 2008/2009 CIP.

The chart shows how the $1.7 billion to implement the 106 projects is allocated to each of the six Types of Improvements.

Of the $1.7 billion in total funding for the 106 projects identified in the CIP, the Board has appropriated $711 million in prior years (through June 30, 2008 the end of Fiscal Year 2007-08). This year's CIP process identified additional funding needs of $989 million to complete the projects in the CIP, with $175 million allocated in Fiscal Year 2008-09 and a total of $814 million proposed for future years. Included in the $814 million proposed future funding is a funding shortfall of $35 million, for projects funded by the Clean, Safe Creeks and Natural Flood Protection Fund. The chart shows how the $1.7 billion is distributed by fiscal year. The following table breaks down the fiscal year total by the six types of improvement and by applicable funding sources.

CIP Funding Schedule



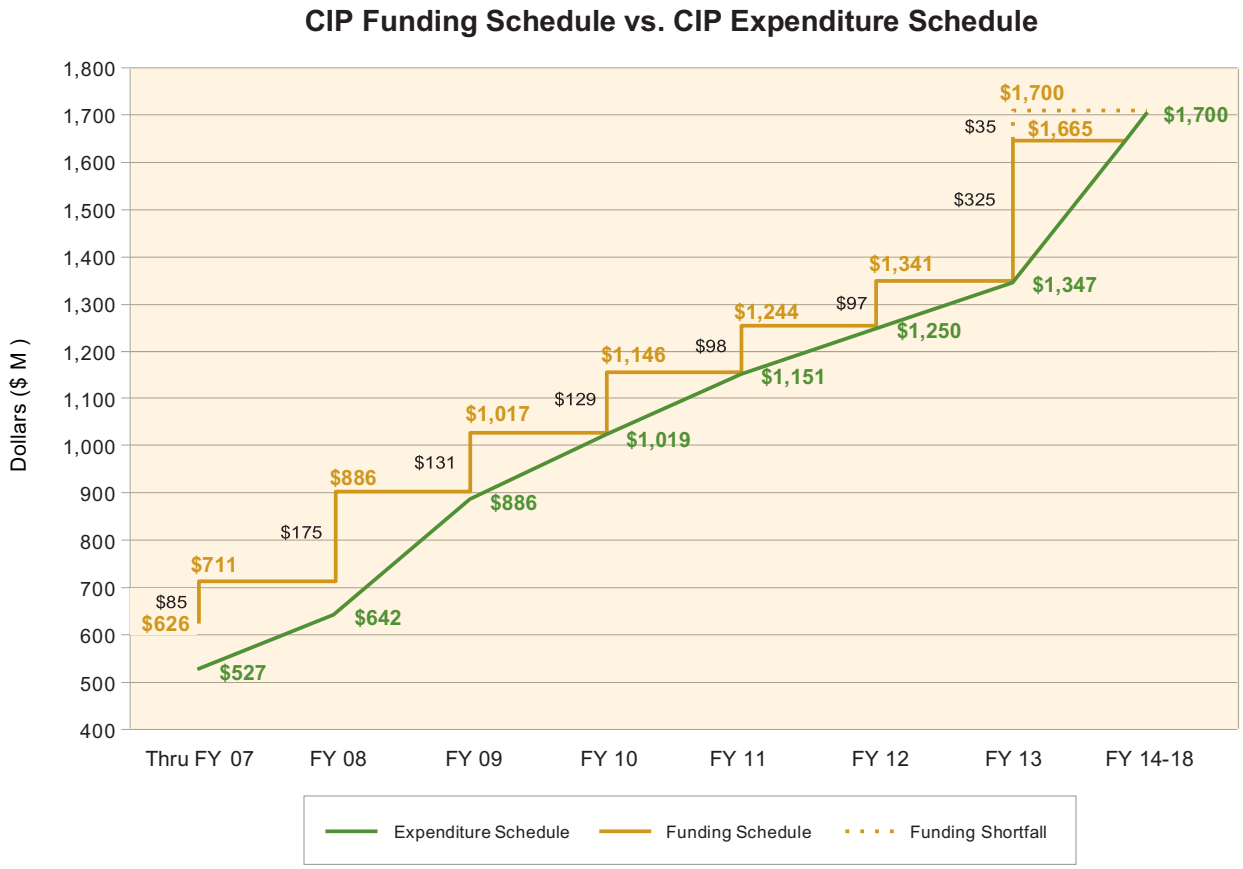
CIP Funding Schedule by Type of Improvement and Funding Sources

	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
WATER SUPPLY										
Water Enterprise Fund	158,627	39,729	26,686	105,491	70,831	82,711	36,605	35,199	163,870	693,063
Water Supply Total	158,627	39,729	26,686	105,491	70,831	82,711	36,605	35,199	163,870	693,063
FLOOD PROTECTION										
Watershed Stream Stewardship Fund	352,044	18,444	22,162	12,856	16,252	11,988	842	4,883	17,838	435,147
Clean, Safe Creeks and Natural Flood Protection Fund	78,007	15,560	10,338	39,375	20,212	27,928	50,896	49,813	163,521	445,312
Flood Protection Total	430,051	34,004	32,500	52,231	36,464	39,916	51,738	54,696	181,359	880,459
MITIGATION										
Water Enterprise Fund	4,771	918	0	26	0	0	0	0	0	5,715
Watershed Stream Stewardship Fund	22,301	4,738	7,264	289	17,611	979	1,290	286	502	47,996
Mitigation Total	27,072	5,656	7,264	315	17,611	979	1,290	286	502	53,711
ENVIRONMENTAL ENHANCEMENT										
Water Enterprise Fund	2,063	47	79	7,722	2,485	2,612	5,120	3,680	0	23,728
Watershed Stream Stewardship Fund	2,207	779	473	3,271	987	259	569	409	0	8,481
Clean, Safe Creeks and Natural Flood Protection Fund	302	866	279	0	2	0	0	0	0	1,170
Environmental Enhancement Total	4,572	1,692	831	10,992	3,474	2,871	5,689	4,089	0	33,379
BUILDINGS AND GROUNDS										
Water Enterprise Fund	1,248	1,013	388	18	0	0	0	0	0	2,279
Watershed Stream Stewardship Fund	0	179	157	14	0	0	0	0	0	193
General Fund	0	2,060	0	2,084	2,172	2,263	2,358	2,457	13,921	27,315
Buildings and Grounds Total	1,248	3,252	545	2,116	2,172	2,263	2,358	2,457	13,921	29,787
INFORMATION TECHNOLOGY										
Water Enterprise Fund	2,443	772	409	567	397	0	0	0	0	6,737
Watershed Stream Stewardship Fund	477	24	409	364	250	0	0	0	0	1,114
General Fund	1,142	281	823	2,680	22	0	0	0	0	1,566
Information Technology Total	4,061	1,076	1,640	3,611	669	0	0	0	0	9,417
TOTAL	625,631	85,409	69,466	174,756	131,221	128,740	97,680	96,727	359,652	1,699,816
CUMULATIVE TOTAL	625,631	711,040		885,796	1,017,017	1,145,757	1,243,437	1,340,164	1,699,816	

FY 2007-08 Funds to be reappropriated

As shown in the table, CIP Funding Schedule by Type of Improvement and Funding Sources (on the previous page): approximately $69 million of the already appropriated $711 million is not spent. Of the $69 million, $57 million is reappropriated to Fiscal Year 2008-09 for continued use in those same projects and in amounts consistent with the project expenditure schedule for Fiscal Year 2008-09.

The portion of the balances that are not reappropriated to Fiscal year 2008-09, $12 million, will remain as designated reserves for Current Authorized Projects to be reappropriated in future years in accordance with the projects expenditure schedule beyond Fiscal Year 2008-09 (see Appendix D and individual project sheets). The following chart explains the relationship between the CIP Funding Schedule and Expenditure Schedule.



WATER SUPPLY CAPITAL IMPROVEMENTS

WATER SUPPLY OVERVIEW

The District manages and operates a complex and integrated water supply infrastructure, including storage, transmission, treatment, and recycled water facilities, to meet the Board's Ends Policy E–2.1, "There is a reliable supply of healthy, clean drinking water."

Storage Facilities

- 10 surface reservoirs
- 393 acres of recharge ponds
- 76 miles of in-stream recharge
- Ground water basins

Transmission Facilities

- 142 miles of pipelines
- 3 pump stations

Treatment Facilities

- 3 treatment plants

Recycled Water Facilities

- South County Recycled Water Treatment Plant
- South County Recycled Water Distribution System

Planning, design and construction of the above facilities took decades of effort. Beginning in the 1930s, reservoirs and recharge ponds were built to halt ground water basin subsidence, followed by pipelines and treatment plants to bring in state and federal water to meet growing water demands in the county.

In the early 1990s, the District embarked on new and challenging capital improvements to upgrade its three drinking water treatment plants in order to meet new Environmental Protection Agency rules for improved water quality required by 1996 amendments to the Safe Drinking Water Act. Fifteen years of effort and capital funding have brought the upgrades at Penitencia and Santa Teresa Water Treatment Plants to completion. Delivery of ozonated water produced at these two treatment plants began in 2006.

A facility renewal program for Rinconada Water Treatment Plant (RWTP) was added to the FY 2008-09 CIP. It consists of nine individual capital projects with $17 million planned expenditures in FY 2008-09. The CIP includes a total investment of $ 223 million for improvements at RWTP.

With a significant portion of the Water Supply infrastructure approaching forty to fifty years of age, maintaining and upgrading the existing infrastructure to ensure each facility functions as intended for its useful life became the focus of the Water Supply Capital Improvement Program in recent years, as shown in the CIP.

Major Capital Improvements Identified in CIP

Storage:

- Calero/Fellows Dike Improvement
- Dam Instrumentation
- Lenihan Dam Outlet Modifications
- Pacheco Pumping Plant ASD Replacement

Transmission:

- Almaden-Calero Canal Rehabilitation
- Main Avenue Pipeline
- Santa Clara Valley Recharge Ponds

Treatment:

- IRP2 Seismic Study and Retrofit of Water Treatment Plants and Operations Buildings
- Rinconada Water Treatment Plant Facility Renewal Program
- RWTP Reliability Improvement

Recycled Water:

- Recycled Water Advanced Treatment Facility at San Jose Water Pollution Control Plant
- Recycled Water Master Plan - Gilroy Pipelines and Reservoirs

WATER SUPPLY CAPITAL IMPROVEMENTS

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new water supply projects proposed to be added to the Fiscal Year 2008-009 CIP reflect the Board's priorities. The priority criteria used to evaluate these projects is included in Appendix A.

A financial analysis of the Water Enterprise Fund, the funding source for water supply capital improvements, was performed to determine the limitations to funding the projects in the approved Fiscal Year 2008-09 capital program. Results of this year's prioritization process and financial analysis are summarized in Appendix B.

Based on the feedback from the FY 2006-07 CIP and the Board direction, a concerted effort was made to develop a multi-year water charge structure that would support the priority work of the water utility business. Staff analyzed both immediate requirements and anticipated future needs to support operations and the continued appropriations for capital investment needed to maintain infrastructure and comply with water quality regulations. A water charge structure was recommended by staff and adopted by the Board that funds identified priorities. The water supply projects in the FY 2008-09 CIP fit within the second year of that multi-year rate structure.

The majority of capital projects included in the 5-Year CIP are related to asset management which replaces aging equipment and facilities, or infrastructure reliability, which protects the county's baseline water supply.

The District is currently engaged in several critical studies related to understanding the conditions of various existing water supply facilities or meeting future water supply needs of the county. These studies, such as San Luis Low Point Solution, Dam Safety Program or South County Water Supply Master Plan, will likely identify a number of new capital projects with significant capital investments. Following is preliminary information from these studies:

- San Luis Low Point Solution placeholder ($118M)
- Dam Rehabilitation placeholder ($150M)
- Construct well fields on the east and west sides of the system as part of the Water Infrastructure Reliability Program – Portfolio 2 ($154M)
- Construct Advanced Recycled Water Treatment Plant – Coyote Valley ($25M)
- Construct Diversion to Maximize Recharge Capability at Church Avenue ($4M)
- Madrone Avenue Pipeline Rehabilitation ($7M)
- Construct new South County Recharge Ponds ($40M)
- Long Term South County Recycled Water Facility Expansion Project ($9M)



WATER SUPPLY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for water supply capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2007-08.

Water Supply Capital Improvements

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
STORAGE FACILITY										
Almaden Dam Outlet Works Improvements	2,103	-	-	-	-	803	837	872	15,899	20,514
Calero/Fellows Dike Improvement	2,593	820	428	471	609	7,522	625	-	-	12,640
Coyote Dam Control Building Improvements	-	-	-	-	-	170	412	-	-	582
Dam Instrumentation	5,097	1,398	807	-	163	6,508	330	-	-	13,496
Lenihan Dam Outlet Modifications	28,346	11,315	39	24,723	1,073	-	-	-	-	65,457
Pacheco Pumping Plant ASD Replacement	3,018	-	1,384	7,723	3,916	498	519	283	-	15,957
Pacheco Pumping Plant Regulating Tank Recoating	-	223	-	2,525	163	-	-	-	-	2,911
San Felipe Communications Cable Replacement	-	264	189	368	1,650	170	-	-	-	2,452
San Luis Reservoir Low Point Improvement - Planning	15,143	-	4,098	-	254	-	-	-	-	15,397
San Tomas Well Field	11,444	382	453	172	-	-	-	-	-	11,998
SCADA Wireless System Overhaul for Dams and Reservoirs	-	-	-	-	-	915	971	1,020	-	2,906
TRANSMISSION FACILITY										
Alamitos Diversion Dam Improvements	357	462		2,113	113	-	-	-	-	3,045
Almaden-Calero Canal Rehabilitation			-							
Coyote Diversion Dam Improvements	1,449	637	-	502	6,671	1,226	388	-	-	10,873
IRP2 Backup Raw Water Control Center at Almaden	310	367	502	-	2,167	596	-	-	-	3,440
IRP2 Self-Sufficient SCADA System	-	-	-	-	-	36	125	897	694	1,752
Kirk Ditch Improvements	-	-	-	675	722	2,338	1,973	-	-	5,708
Kirk Diversion Dam Improvements	379	1,398	1,148	595	239	-	-	-	-	2,611
Kirk Diversion Fish Screen	313	-	302	209	1,889	136	-	-	-	2,547
Main Avenue Pipeline	-	224	-	1,044	-	-	-	-	-	1,268
Page Desilting System Improvements	-	918	918	71	6,222	-	-	-	-	7,211
Penitencia Fish Facilities Modifications	-	-	-	310	628	-	-	-	-	938
Pipeline Hydraulic Reliability Upgrades - Planning	-	-	-	-	290	240	189	992	-	1,711
Santa Clara Distributary Turnout	-	-	-	-	-	283	-	-	-	283
Santa Clara Valley Recharge Ponds	-	98	-	156	-	-	-	-	-	254
South County Pipeline Right of Way Acquisition	-	-	-	-	349	363	7,251	12,271	4,969	25,203
Stevens Creek Diversion - Planning	-	-	-	174	297	1,928	-	-	-	2,399
Treated Water Pipeline Turnout Improvement - Planning	-	-	-	-	-	156	-	-	-	156
Vasona Canal Improvement - Planning	-	-	-	-	-	-	295	-	-	295
Vasona Pumping Plant Electrical Upgrades	-	134	-	53	-	-	-	-	-	187

FY 2007-08 Funds to be reappropriated

WATER SUPPLY CAPITAL IMPROVEMENTS

Water Supply Capital Improvements ($K) (cont'd)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
TREATMENT FACILITY										
IRP2 Seismic Study and Retrofit of WTP Ops Bldg	-	945	818	3,330	1,167	11,943	8,276	5,992	-	31,653
PWTP Ammonia System Relocation and Upgrades	-	-	-	-	-	-	668	3,744	297	4,709
PWTP Backwash Pump Replacement	803	-	372	749	132	17	-	-	-	1,701
PWTP Chemical Systems Upgrade	506	218	-	721	1,914	23	-	-	-	3,382
PWTP Cooling Water Pump Modifications	-	-	-	-	-	-	520	1,511	84	2,115
PWTP Filter Basin Covers	-	-	-	-	-	-	393	737	-	1,130
PWTP Improvement, Stage 2	69,056	286	75	----------						69,342
PWTP Large Valve Automation	-	-	-	-	-	-	884	154	-	1,038
PWTP Maintenance Building	1,978	4,571	4,513	608	43	----------				7,200
PWTP Standby Power Upgrade	2,336	-	1,315	232	----------					2,568
PWTP Washwater Clarification Facility	-	-	-	-	-	-	-	510	7,967	8,477
PWTP Water Pumps Modifications	-	-	-	162	2,046	168	----------			2,376
RWTP Chemical System Upgrade	714	2,575	2,422	2,476	717	57	----------			6,539
RWTP FRP Chemical Storage Structure Seismic Upgrades	-	-	-	-	413	2,841	401	209	-	3,864
RWTP FRP Clarification System Improvement	-	-	-	14,308	1,520	226	-	-	-	16,054
RWTP FRP Clearwell and Site Improvement	-	-	-	-	977	6,716	1,061	369	-	9,123
RWTP FRP Filtration System Improvement	-	-	-	-	1,107	6,868	1,297	614	-	9,886
RWTP FRP Main Pump Valves Replacement	-	-	-	-	293	305	1,663	233	-	2,494
RWTP FRP Primary Electrical System Improvement	-	-	-	898	1,031	9,053	1,309	-	-	12,291
RWTP FRP SCADA Room Retrofit	-	-	-	154	488	17	-	-	-	659
RWTP FRP Solids Handling System Improvement	-	-	-	423	557	2,898	118	-	-	3,996
RWTP FRP Washwater Recovery System	-	-	-	1,073	1,118	7,541	536	-	-	10,268
RWTP Reliability Improvement	-	-	-	-	2,172	1,697	5,423	4,668	127,325	141,285
RWTP Valve Replacements	-	5,170	-	958	467	57	-	-	-	6,652
STWTP Incompatible Materials	2,280	-	405	1,665	2,743	163	-	-	-	6,851
Water Protection	607	3,820	4,034	-	4,642	-	-	-	-	9,069
Water Treatment Plants SCADA Upgrades	2,862	971	2,173	431	1,087	283	141	-	-	5,775
RECYCLED WATER FACILITY										
Bay Area Regional Desalination, Mallard Slough Pilot Plant	300	-	50	-	-	-	-	-	-	300
Recycled Water Advanced Treatment Facility WPCP	3,095	900	-	31,570	12,449	7,950	-	-	-	55,964
Recycled Water Masterplan	3,278	-	-	3,775	6,333	-	-	-	-	13,386
Water Efficient Demonstration Garden	260	1,633	241	74	-	-	-	-	-	1,967
TOTAL	158,627	39,729	26,686	105,491	70,831	82,711	36,605	35,199	163,870	693,063

The following table shows funding requirements from each funding source for water supply capital.

Water Supply - Funding Source ($K)

FUNDING SOURCES	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Water Enterprise Fund	158,627	39,729	26,686	105,491	70,831	82,711	36,605	35,199	163,870	693,063
TOTAL	158,627	39,729	26,686	105,491	70,831	82,711	36,605	35,199	163,870	693,063

FY 2007-08 Funds to be reappropriated



Storage Facilities

- 10 Surface Reservoirs
- 393 Acres of Recharge Ponds
- 76 Miles of In-stream Recharge
- 11 Capital Projects
- Groundwater Basins

Storage Facilities Project Pages

Project	Almaden Dam Outlet Works Improvements
Program	Water Supply – Storage
Priority No.	43
Project No.	91854001
District Contact	Michael Hamer mhamer@valleywater.org



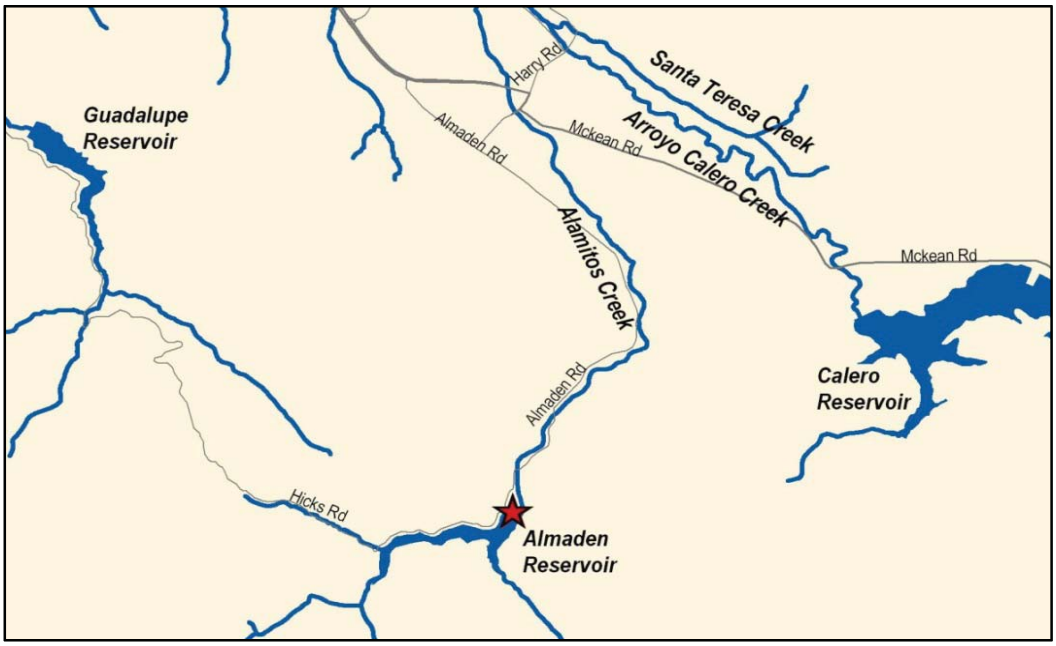
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Almaden Dam Outlet Works to accomplish the following objectives:

- Modify or construct a new intake structure, capable of releasing 246 cfs of water without flushing of sediments through the outlet works.
- Correct existing problems with the outlet energy dissipation structure, piping and valves.

PROJECT LOCATION

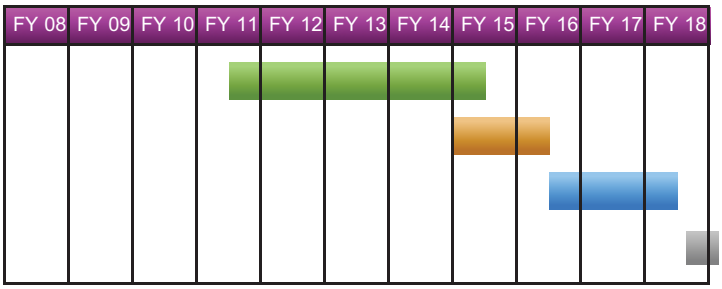


SCHEDULE & STATUS

October 1999 to June 2018

This project is on hold and scheduled to resume work in 2011, when the seismic analysis of the dam is expected to be complete.

Phase	Cost
Plan	5,166
Design	2,010
Construct	7,000
Closeout	300
	14,476



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Almaden Dam Outlet Works Improvements	2,103	0	0	0	710	710	710	10,243	14,476
with inflation	2,103	0	0	0	803	837	872	15,899	20,514

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Almaden Dam Outlet Works Improvements	2,103	0	0	0	0	803	837	872	15,899	20,514

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	20,514
Other Funding Source	0
Total	20,514

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2018. Manually flushing the control valves during the winter months to remove silt will no longer be required.

USEFUL LIFE: 50+ Years

Project	Calero/Fellows Dike Improvements
Program	Water Supply – Storage
Priority No.	29
Project No.	91874003
District Contact	Michael Hamer mhamer@valleywater.org



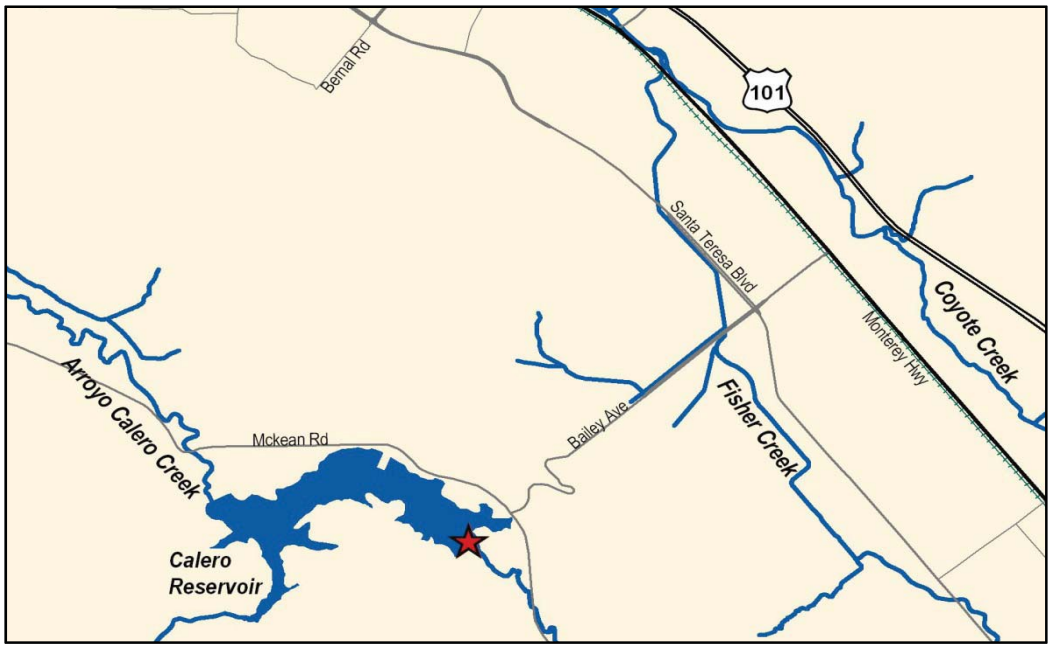
View of Fellows Dike from Calero Reservoir. The historic Bailey Fellows House can be seen in the background.

PROJECT DESCRIPTION

The objective of the Calero/Fellows Dike Improvements project is to:

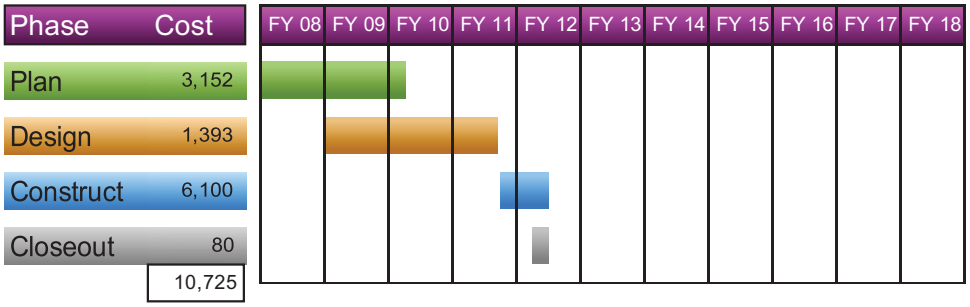
- Develop and implement a solution to resolve Fellows Dike safety issues.
- Optimize the water utility benefits of Calero Reservoir.
- Rescind the existing California Department of Water Resources Division of Safety of Dams (DSOD) restriction, which limits the storage capacity of the Calero Reservoir.

PROJECT LOCATION



SCHEDULE & STATUS

February 2000 to December 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Calero/Fellows Dike Improvements	2,485	500	899	561	5,750	530	0	0	10,725
with inflation	2,485	500	899	609	7,522	625	0	0	12,640

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Calero/Fellows Dike Improvements	2,593	820	428	471	609	7,522	625	0	0	12,640

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,640
Other Funding Source	0
Total	12,640

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $7,000 per year, beginning in FY 2012. The likely alternative will be the breached dike alternative. Minor operations and maintenance activities to oversee water quality and make minor repairs to the dike, pump and electrical systems would no longer be required.

USEFUL LIFE: 50+ Years

Project	Coyote Dam Control Building Improvements
Program	Water Supply – Storage
Priority No.	60
Project No.	91C40259
District Contact	Michael Hamer mhamer@valleywater.org



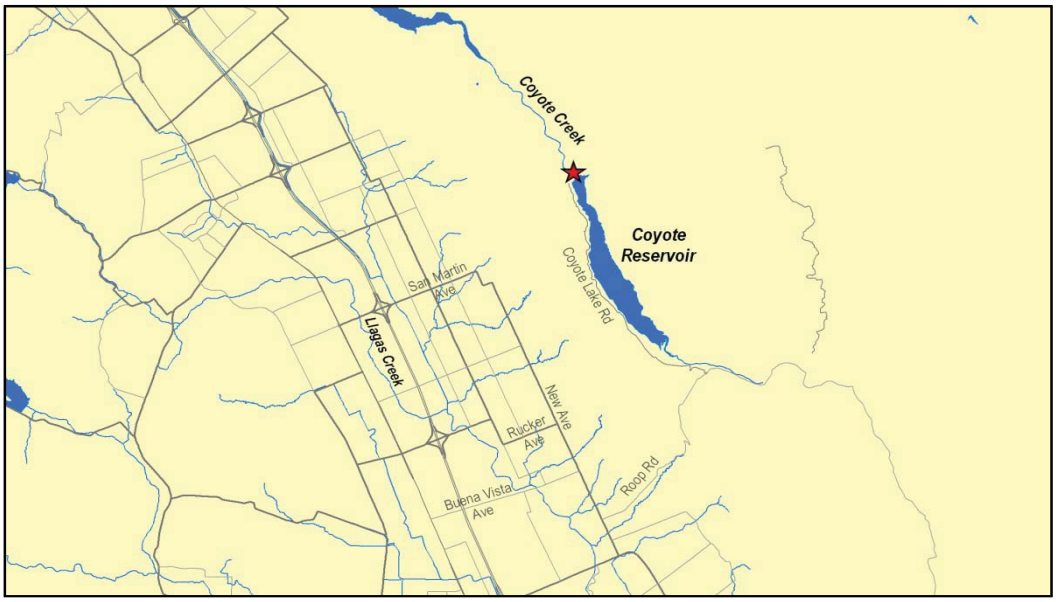
Control Building at Coyote Dam

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the Coyote Dam Control Building to accomplish the following objectives:

- Correct an electrical code compliance deficiency associated with the storage of flammable liquid/vapor in close vicinity to an electrical source.
- Provide working clearance required by electrical code during testing and maintenance of batteries and other electrical equipment within the control building.

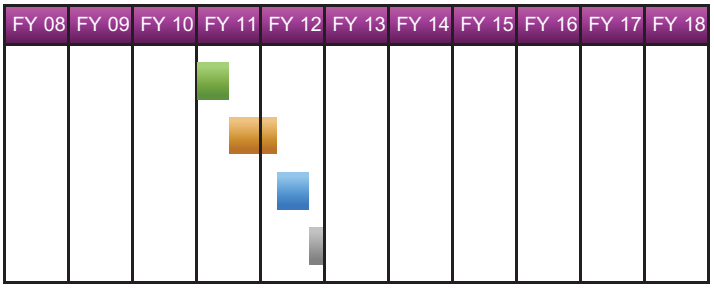
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to June 2012

Phase	Cost
Plan	100
Design	100
Construct	250
Closeout	-
	450



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Coyote Dam Control Building Improvements	0	0	0	0	150	300	0	0	450
with inflation	0	0	0	0	170	412	0	0	581

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Coyote Dam Control Building Improvements	0	0	0	0	0	170	412	0	0	581

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	581
Other Funding Source	0
Total	581

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 20 Years

Project	Dam Instrumentation
Program	Water Supply – Storage
Priority No.	73
Project No.	91084010
District Contact	Michael Hamer mhamer@valleywater.org



Piezometers similar to those being installed here at Lenihan Dam will be installed at the other dams.

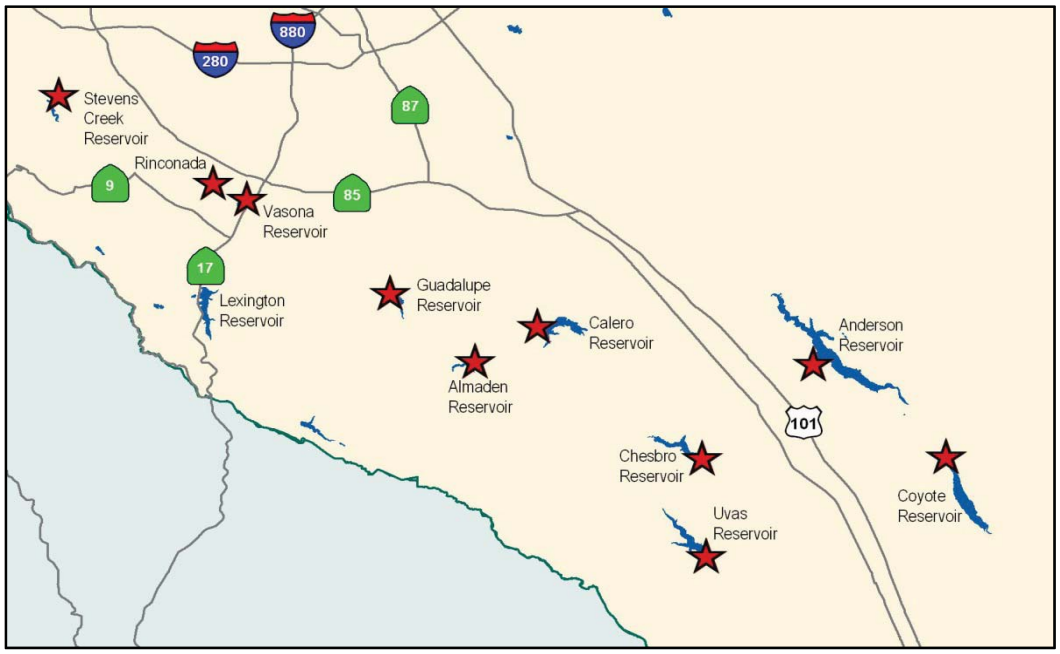
PROJECT DESCRIPTION

This project installs state-of-practice automated geotechnical instrumentation at Almaden, Anderson, Calero, Chesbro, Coyote, Guadalupe, Rinconada Treated Water Reservoir, Stevens Creek, Uvas and Vasona Dams in a phased approach, to accomplish the following objectives:

- Monitor internal movement and water pressure at the ten District dams referenced above.
- Develop a system at each dam that is capable of collecting, checking, recording, and archiving the collected data and alarming staff when parameters exceed set threshold limits.

This Dam Instrumentation Project is a major element of the Dam Safety Program at the District. The installed instrumentation will provide critical information to potentially identify needed capital improvements to ensure the structural integrity of the District's Dams. The scope, schedule, costs and funding sources for these potential capital improvements are not identified.

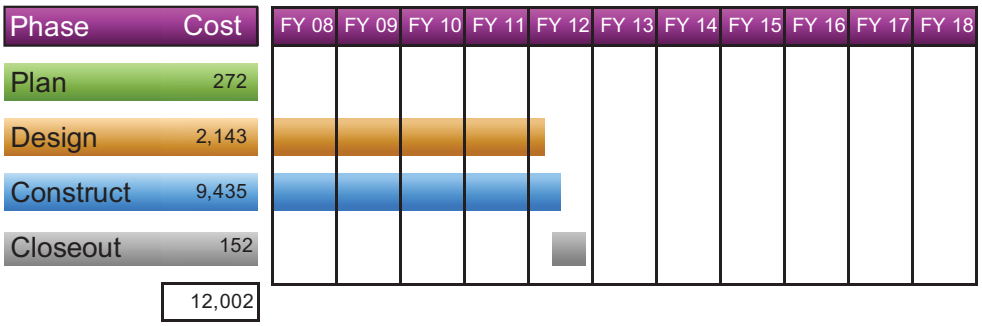
PROJECT LOCATION



SCHEDULE & STATUS

February 2005 to March 2012

Planning Phase is complete. Design and Construction Phases overlap, due to the phased approach to managing the project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Dam Instrumentation	4,528	1,160	394	530	5,110	280	0	0	12,002
with inflation	4,528	1,160	394	575	6,508	330	0	0	13,495

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Dam Instrumentation	5,097	1,398	807	0	162	6,508	330	0	0	13,495

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,495
Other Funding Source	0
Total	13,495

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $30,000 per year at the end of Phase 1 in FY 2008, increasing to $50,000 per year beginning at the end of Phase 2 in FY 2012. Increases are for monitoring the data and maintaining the geotechnical instrumentation.

USEFUL LIFE: 10+ Years

Project	Lenihan Dam Outlet Modifications
Program	Water Supply – Storage
Priority No.	65
Project No.	91904005
District Contact	Michael Hamer mhamer@valleywater.org



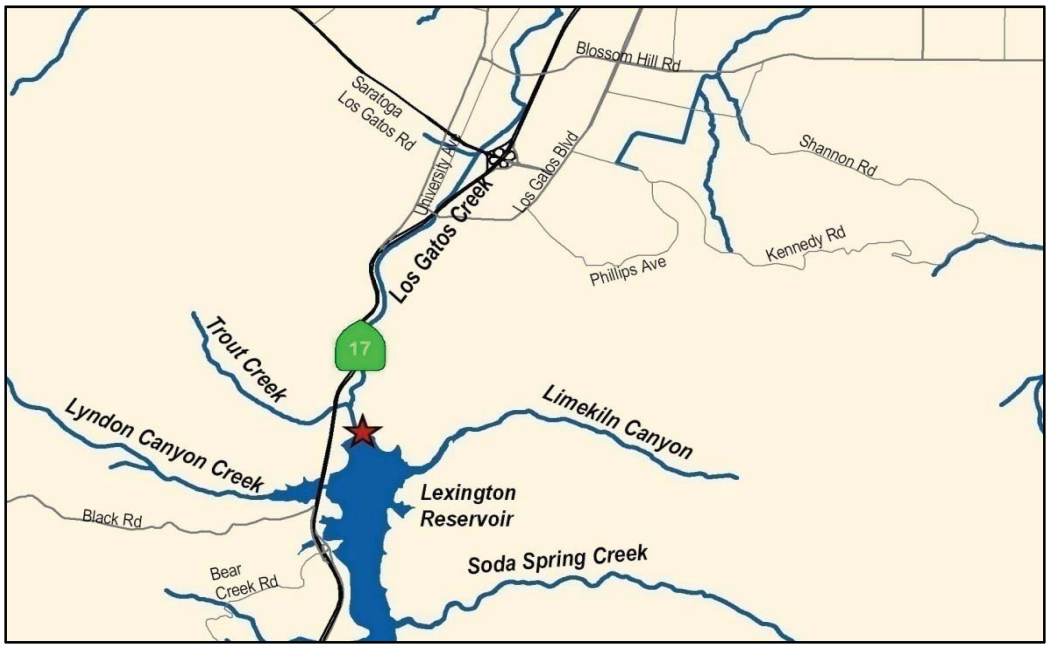
Lexington Reservoir with the Lenihan Dam Outlet structure in the foreground

PROJECT DESCRIPTION

The objective of the Lenihan Dam Outlet Modifications project is to:

- Design and construct a new low-level outlet works so the reservoir can safely meet District and California Department of Water Resources Division of Safety of Dams (DSOD) discharge requirements.
- Rescind the existing Division of Safety of Dams restrictions that limit outlet release flows to 70 cfs.

PROJECT LOCATION

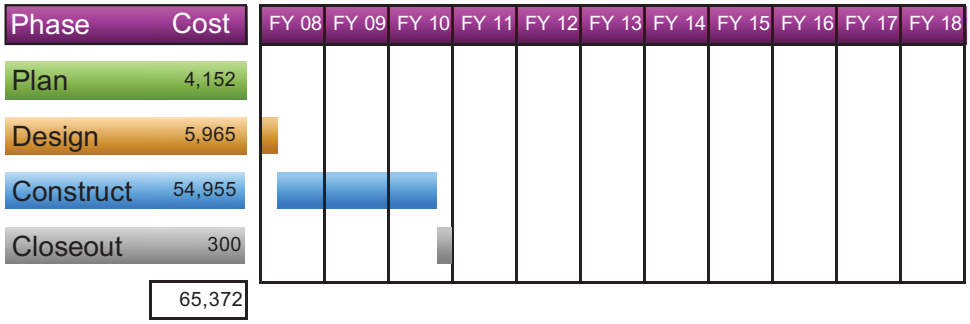


★ Project Location

SCHEDULE & STATUS

October 2000 to June 2010

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Lenihan Dam Outlet Modifications	9,684	29,938	24,762	988	0	0	0	0	65,372
with inflation	9,684	29,938	24,762	1,073	0	0	0	0	65,457

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Lenihan Dam Outlet Modifications	28,346	11,315	39	24,723	1,073	0	0	0	0	65,457

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	65,457
Other Funding Source	0
Total	65,457

OPERATING COST IMPACTS

The completion of this project is not anticipated to change operating costs. The District will continue to operate and maintain the facilities in the same manner.

USEFUL LIFE: 50+ Years

Project	**Pacheco Pumping Plant ASD Replacement**
Program	Water Supply – Storage
Priority No.	65
Project No.	91954001
District Contact	Michael Hamer mhamer@valleywater.org



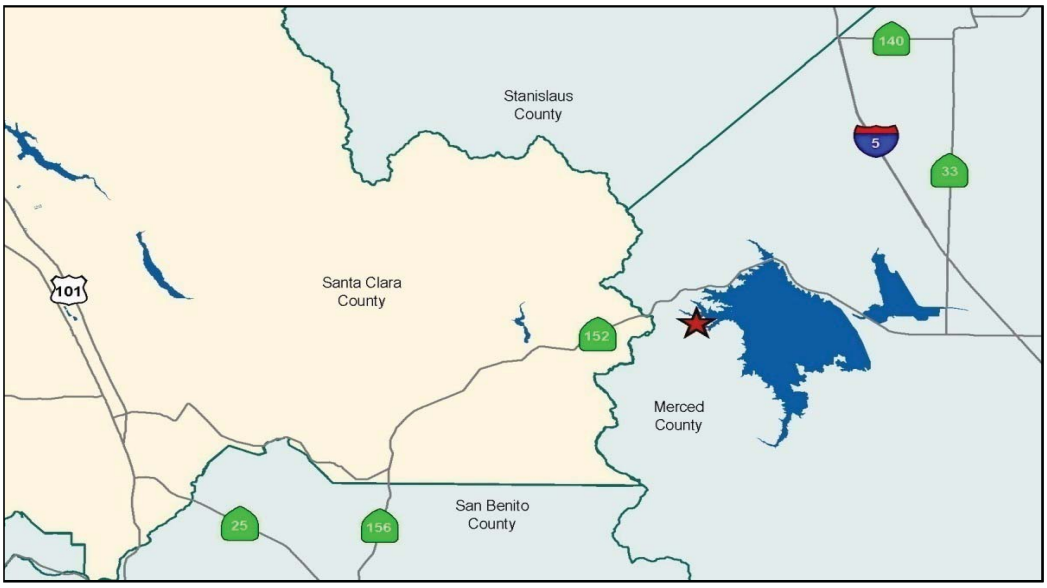
ASD drive gallery

PROJECT DESCRIPTION

This project plans, design, and constructs improvements to replace the existing adjustable speed drives (ASDs) and ancillary equipment at Pacheco Pumping Plant to accomplish the following objectives:

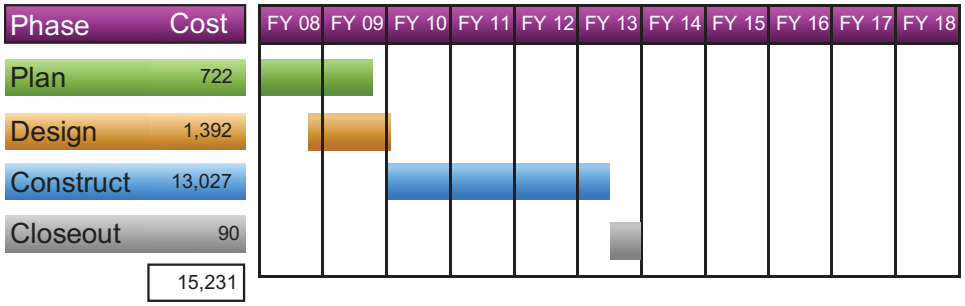
- Improve plant operation and reliability.
- Reduce operation and maintenance costs.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2013



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pacheco Pumping Plant ASD Replacement	114	1,520	9,107	3,380	440	440	230	0	15,231
with inflation	114	1,520	9,107	3,916	498	519	283	0	15,956

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pacheco Pumping Plant ASD Replacement	3,018	0	1,384	7,723	3,916	498	519	283	0	15,956

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,933
San Benito County Water District	3,023
Total	**15,956**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $13,000 beginning in FY 2013 over the first 5 years, as new equipment will require less maintenance.

USEFUL LIFE: 10 – 15 Years

Project	**Pacheco Pumping Plant Regulating Tank Recoating**
Program	Water Supply – Storage
Priority No.	65
Project No.	91214008
District Contact	Michael Hamer mhamer@valleywater.org

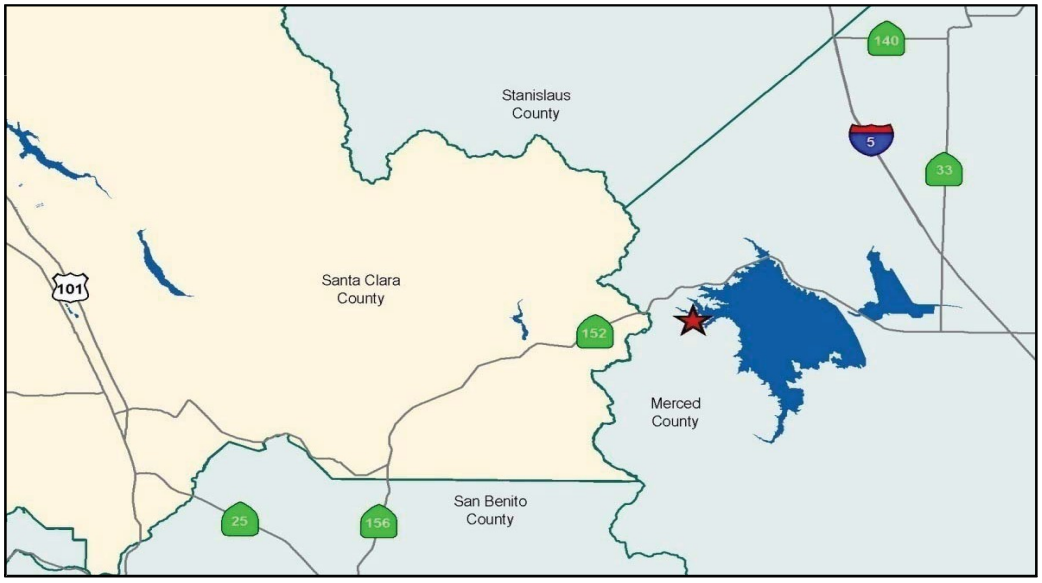


View of the regulating tank and surrounding area

PROJECT DESCRIPTION

This project plans, designs and constructs improvements at Pacheco Pumping Plant regulating tank to extend the service life of the tank by at least 15 to 20 years.

PROJECT LOCATION

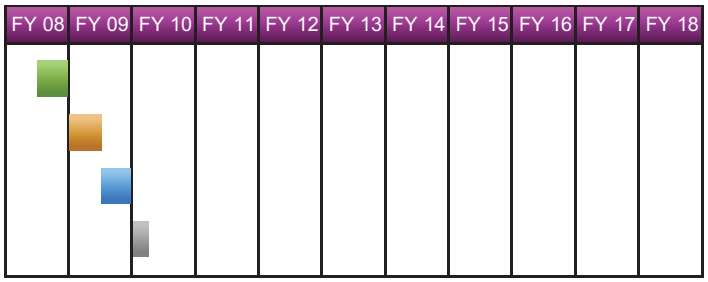


★ Project Location

SCHEDULE & STATUS

January 2008 to September 2009

Phase	Cost
Plan	223
Design	650
Construct	1,950
Closeout	75
	2,898



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pacheco Pumping Plant Regulating Tank Recoating	0	223	2,525	150	0	0	0	0	2,898
with inflation	0	223	2,525	163	0	0	0	0	2,911

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pacheco Pumping Plant Regulating Tank Recoating	0	223	0	2,525	163	0	0	0	0	2,911

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

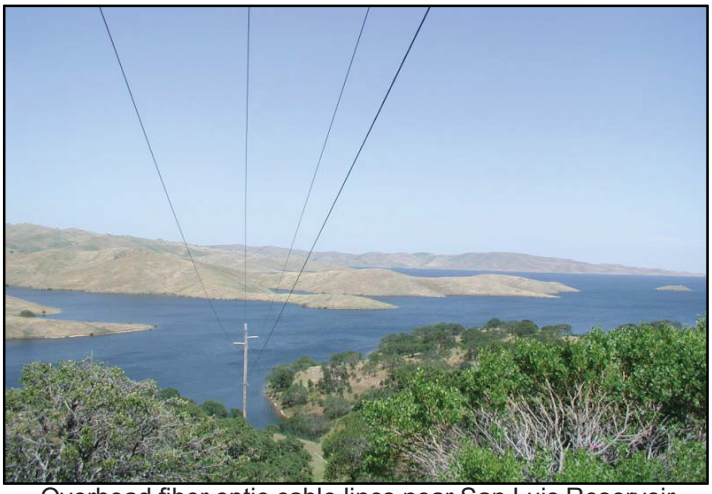
SCVWD Water Utility Enterprise Fund	2,911
Other Funding Source	0
Total	**2,911**

OPERATING COST IMPACTS

Operating Impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**San Felipe Communications Cable Replacement**
Program	Water Supply – Storage
Priority No.	57
Project No.	91214009
District Contact	Michael Hamer mhamer@valleywater.org

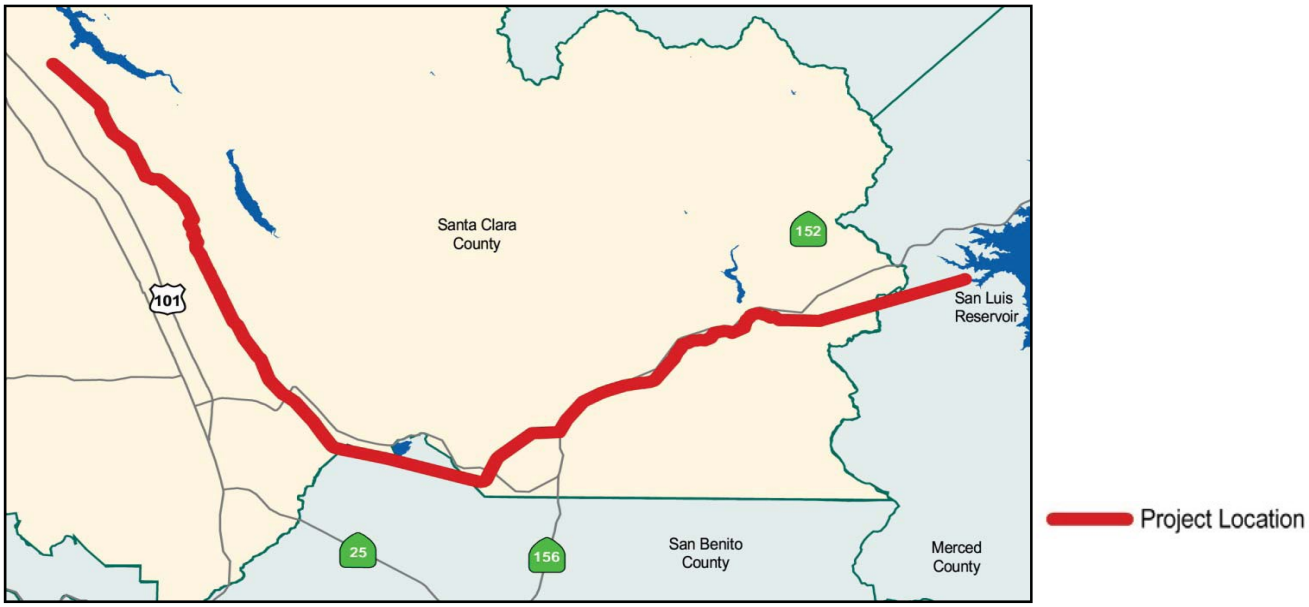


Overhead fiber optic cable lines near San Luis Reservoir

PROJECT DESCRIPTION

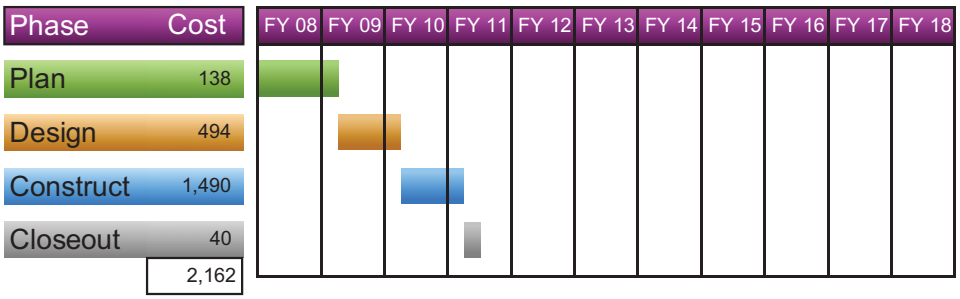
This project plans, designs, and constructs (1) the overland fiber optic cable from the Pacheco Pumping Plant at San Luis Reservoir to the west portal of the Pacheco Tunnel near Highway 152 and Casa de Fruta and (2) the underground communications cable from the West portal of the Pacheco Tunnel to the Coyote Pumping Plant. The objective is to ensure reliable communications to allow control of Pacheco Pumping Plant from the control center at Rinconada Water Treatment Plant (RWTP).

PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to December 2010



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Felipe Communications Cable Replacement	0	75	557	1,380	150	0	0	0	2,162
with inflation	0	75	557	1,650	170	0	0	0	2,451

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Felipe Communications Cable Replacement	0	264	189	368	1,650	170	0	0	0	2,451

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,451
Other Funding Source	0
Total	**2,451**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $30,000 per year, beginning in FY 2011. Completion of this project will eliminate the need to repair failures in the fiber optic line.

USEFUL LIFE: 30+ Years

Project	**San Luis Reservoir Low Point Improvement**
Program	Water Supply – Storage
Priority No.	80
Project No.	91214007
District Contact	Keith Whitman kwhitman@valleywater.org



San Luis Reservoir

PROJECT DESCRIPTION

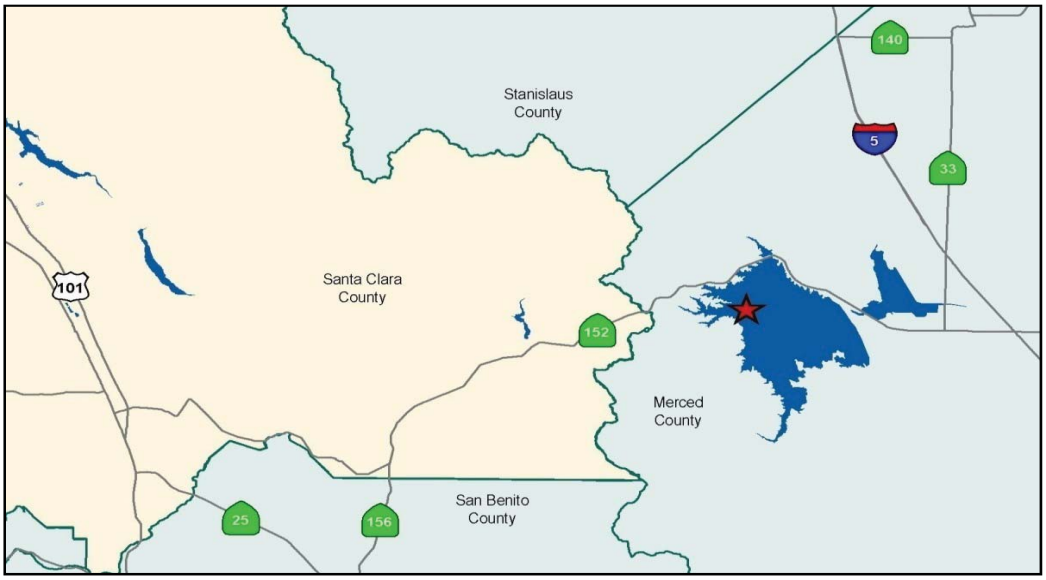
This project is in Federal Feasibility with the U.S. Bureau of Reclamation. The objectives, benefits, scope of work and schedule are determined by the federal process. These are presented in the Federal Appraisal Report and Plan of Study May 2006. The federal feasibility study is anticipated to be completed in 2009. On the basis of the water resources problems identified to date, the following preliminary study objectives were developed for this project:

- Increase the certainty of meeting the requested delivery schedule of annual allocations to San Luis Reservoir dependant Central Valley Project (CVP) Contractors.
- To the extent possible, while meeting the first objective, increase the reliability (quality of water available for allocation) of annual allocations to CVP contractors.
- To the extent possible, while meeting the first objective, forecast the final allocation to San Luis Reservoir dependent contractors earlier in the season.

Several additional opportunities may also be available as a result of addressing the above objectives. These include water quality improvements for the San Felipe Division contractors and ecosystem restoration opportunities.

The project is currently funded for federal planning only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION

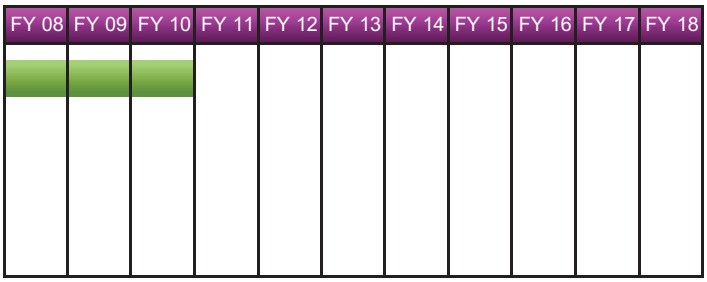


SCHEDULE & STATUS

July 2001 to May 2010

(Planning Phase Only)

Phase	Cost
Plan	15,239
Design	-
Construct	-
Closeout	-
	15,239



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Luis Reservoir Low Point Improvement	10,723	322	2,345	1,849	0	0	0	0	15,239
with inflation	10,723	322	2,345	2,008	0	0	0	0	15,398

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Luis Reservoir Low Point Improvement	15,143	0	4,098	0	255	0	0	0	0	15,398

FUNDING SOURCES

(in thousands $)

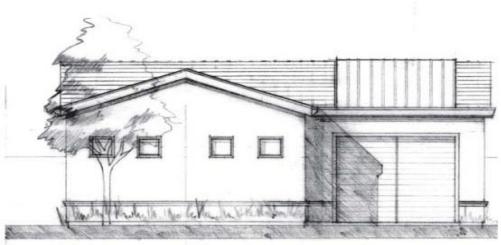
SCVWD Water Utility Enterprise Fund	1,314
Department of Water Resources	14,038
U.S. Bureau of Reclamation	46
Total	**15,398**

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**San Tomas Well Field**
Program	Water Supply – Storage
Priority No.	32
Project No.	91124001
District Contact	Keith Whitman kwhitman@valleywater.org

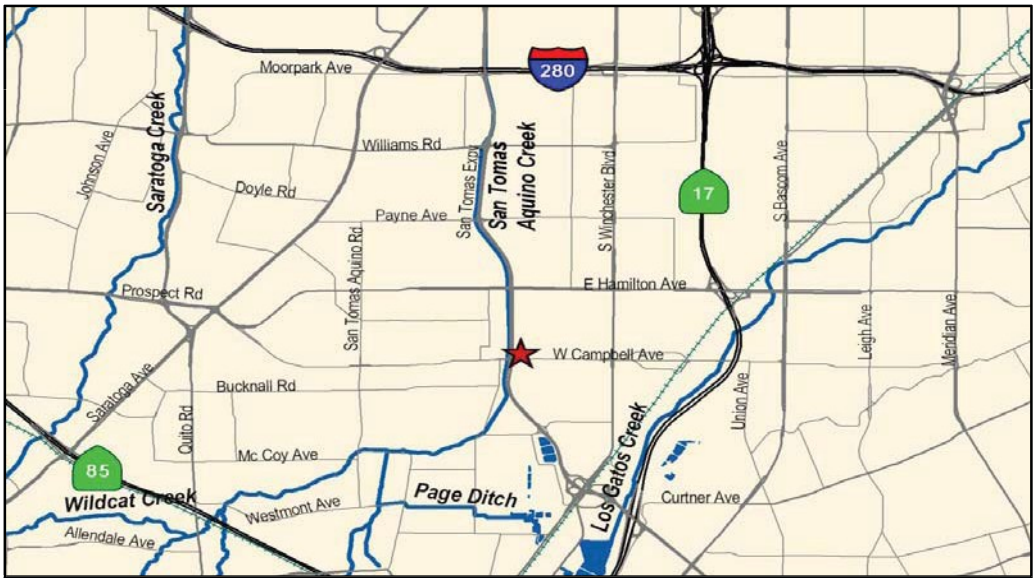


Conceptual well building design for San Toms Well Field

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at the San Tomas Well Field in the City of Campbell to enhance water supply management by preserving and improving groundwater extraction capacity.

PROJECT LOCATION

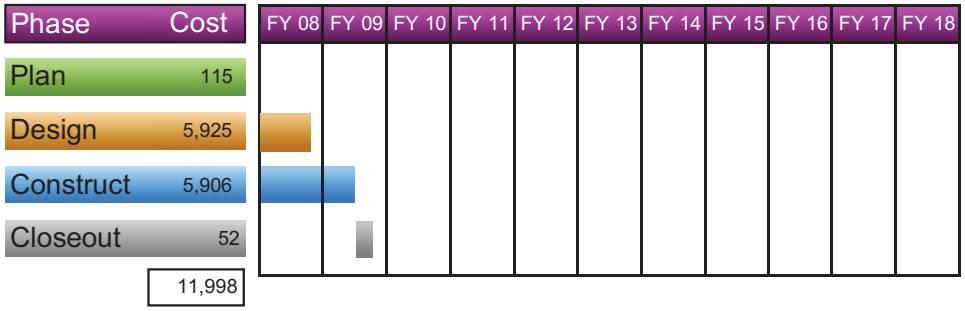


★ Project Location

SCHEDULE & STATUS

September 2003 to January 2009

Planning phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Tomas Well Field	11,098	275	625	0	0	0	0	0	11,998
with inflation	11,098	275	625	0	0	0	0	0	11,998

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Tomas Well Field	11,444	382	453	172	0	0	0	0	0	11,998

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

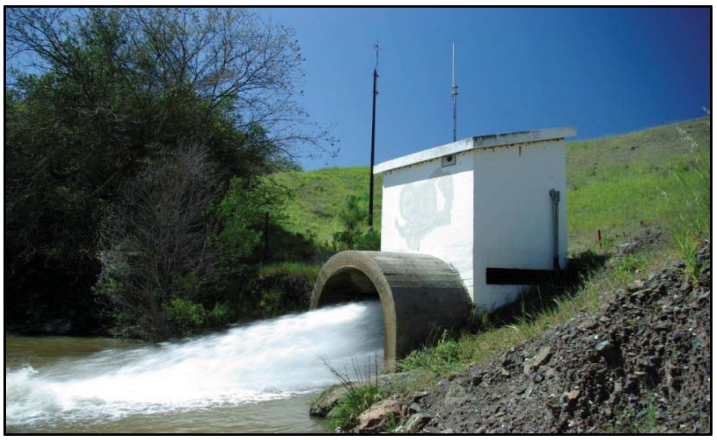
SCVWD Water Utility Enterprise Fund	7,498
City of Campbell Redevelopment Agency	4,500
Total	**11,998**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $255,000 per year, beginning in FY 2010. Increases for operating this new facility include labor, power, chemicals, and maintenance.

USEFUL LIFE: 15+ Years

Project	**SCADA Wireless System Overhaul of 10 Dams and Reservoirs**
Program	Water Supply – Storage
Priority No.	56
Project No.	91C40260
District Contact	Michael Hamer mhamer@valleywater.org



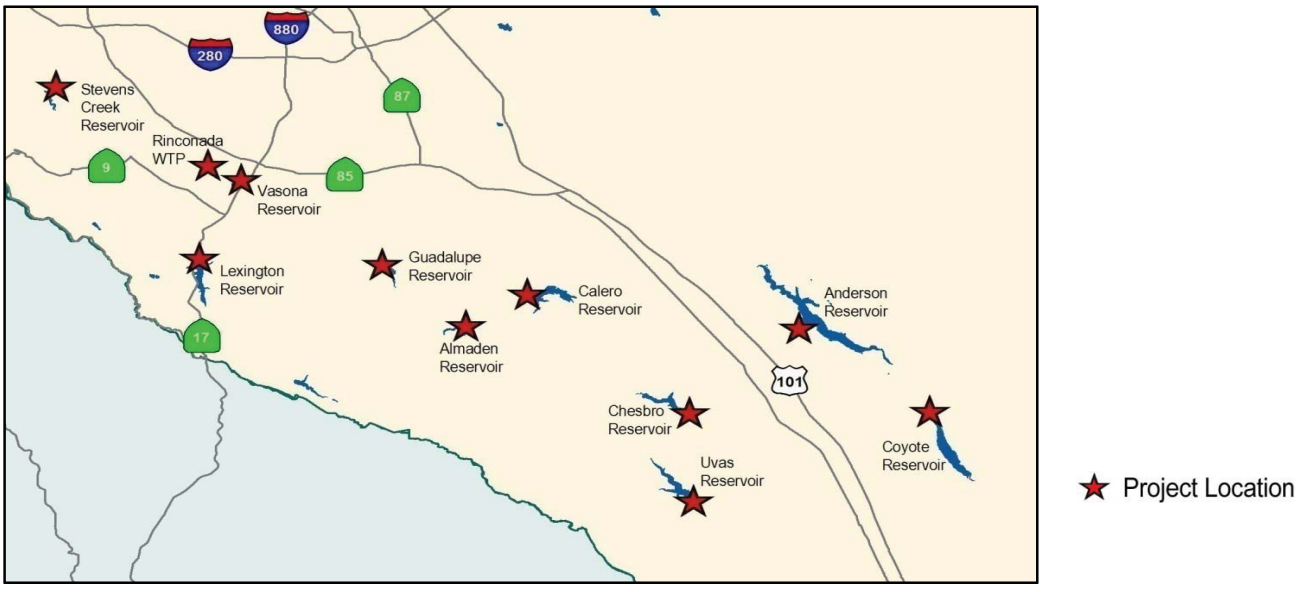
Chesbro Dam will be remotely monitored and operated.

PROJECT DESCRIPTION

This project designs and installs a wireless Supervisory Control and Data Acquisition (SCADA) system from Rinconada Water Treatment Plant (RWTP) control center to the District's source of supply dams and reservoirs to accomplish the following objectives:

- Monitor and remotely operate the District's dams and reservoirs.
- Monitor critical dam and reservoir parameters, such as storage levels and release rates.

PROJECT LOCATION

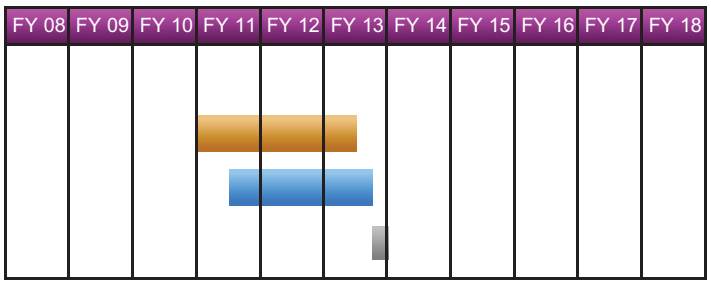


SCHEDULE & STATUS

July 2010 to June 2013

Planning phase is not applicable to this project. Purchase and installation are included in the construction phase.

Phase	Cost
Plan	n/a
Design	354
Construct	1,730
Closeout	40
	2,124



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SCADA Wireless System Overhaul of 10 Dams and Reservoirs	0	0	0	0	708	708	708	0	2,124
with inflation	0	0	0	0	915	971	1,020	0	2,907

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SCADA Wireless System Overhaul of 10 Dams and Reservoirs	0	0	0	0	0	915	971	1,020	0	2,907

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,907
Other Funding Source	0
Total	**2,907**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $200,000 per year, beginning in FY 2014, by optimizing source of supply operations and by minimizing maintenance costs.

USEFUL LIFE: 20 Years

WATER SUPPLY CAPITAL IMPROVEMENTS

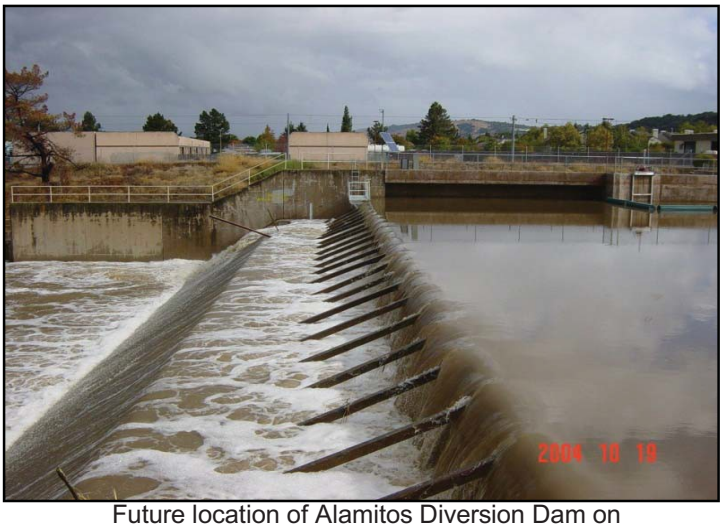


Transmission Facilities

- 142 Miles of Pipelines
- 3 Pump Stations
- 19 Capital Projects

Transmission Facilities Project Pages

Project	Alamitos Diversion Dam Improvements
Program	Water Supply – Transmission
Priority No.	93
Project No.	92404003
District Contact	Katherine Oven koven@valleywater.org



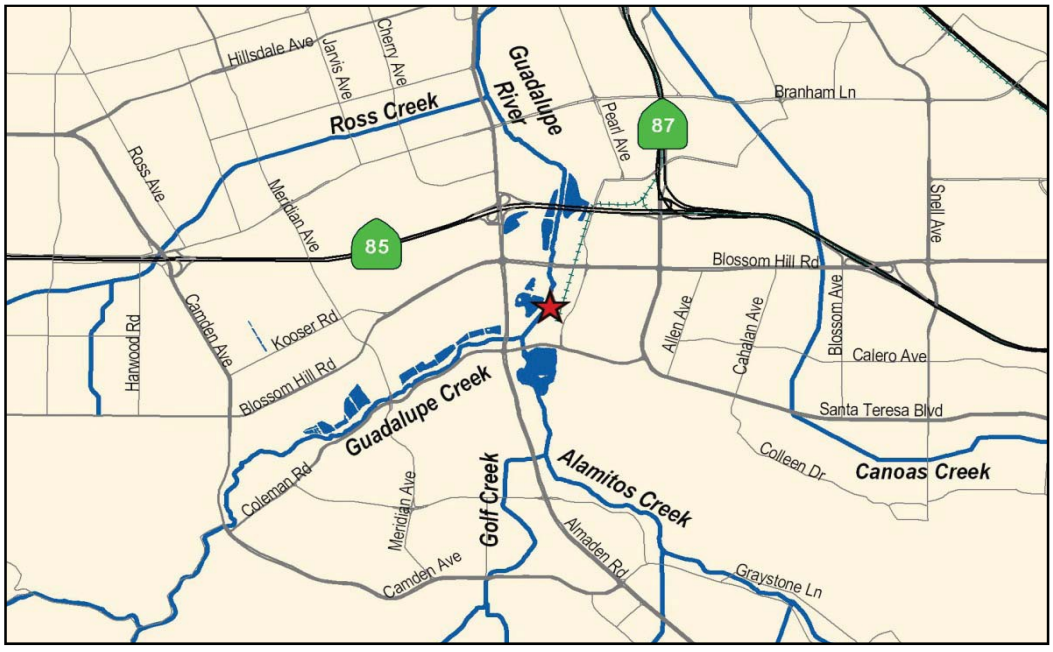
Future location of Alamitos Diversion Dam on Guadalupe River

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Alamitos Diversion Dam on the Guadalupe River, about 1,300 feet upstream of Blossom Hill Road in San Jose, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.
- Enhance recreational opportunities.
- Perform operations and maintenance in a more environmentally sensitive manner.

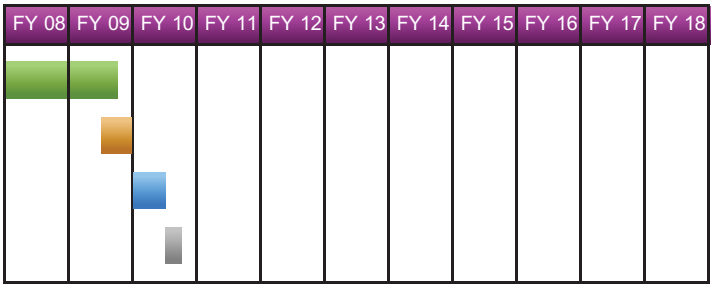
PROJECT LOCATION



SCHEDULE & STATUS

August 2006 to February 2010

Phase	Cost
Plan	1,071
Design	250
Construct	1,700
Closeout	15
	3,036



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Alamitos Diversion Dam Improvements	244	575	2,113	104	0	0	0	0	3,036
with inflation	244	575	2,113	113	0	0	0	0	3,045

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Alamitos Diversion Dam Improvements	357	462	0	2,113	113	0	0	0	0	3,045

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,045
Other Funding Source	0
Total	3,045

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**Almaden-Calero Canal Rehabilitation**
Program	Water Supply – Transmission
Priority No.	62
Project No.	92724001
District Contact	Michael Hamer mhamer@valleywater.org



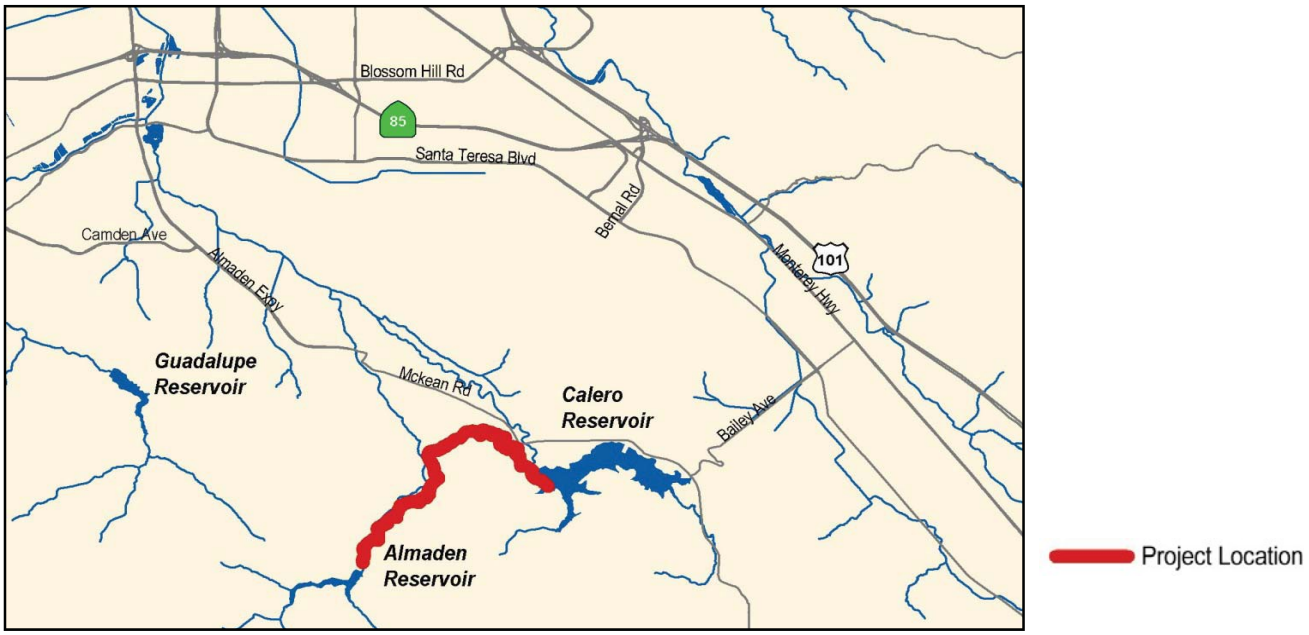
Aerial view of Almaden Dam and spillway, with a portion of the reservoir

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Almaden-Calero Canal at Calero Reservoir and between siphons #2 and #3 to accomplish the following objectives:

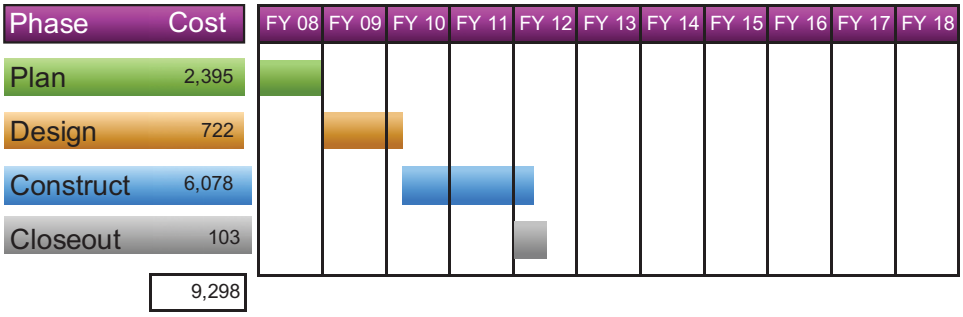
- Restore the Almaden-Calero Canal to its baseline capacity of 120 cfs, while maintaining adequate freeboard.
- Improve maintenance access.
- Mitigate for local landslides.
- Repair leakage and improve drainage at the flume.
- Improve drainage conditions at the catch basin, draining water upstream of siphon #2 to Alamitos Creek.
- Stabilize the maintenance road along Calero Reservoir.

PROJECT LOCATION



SCHEDULE & STATUS

October 2002 to November 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Almaden-Calero Canal Rehabilitation	1,449	637	502	5,446	955	309	0	0	9,298
with inflation	1,449	637	502	6,671	1,226	388	0	0	10,873

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Almaden-Calero Canal Rehabilitation	1,449	637	0	502	6,671	1,226	388	0	0	10,873

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	10,873
Other Funding Source	0
Total	**10,873**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $33,000 per year, beginning in FY 2012, by minimizing seepage and associated maintenance costs.

USEFUL LIFE: 40 Years

Project	**Coyote Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	93
Project No.	92484003
District Contact	Katherine Oven koven@valleywater.org



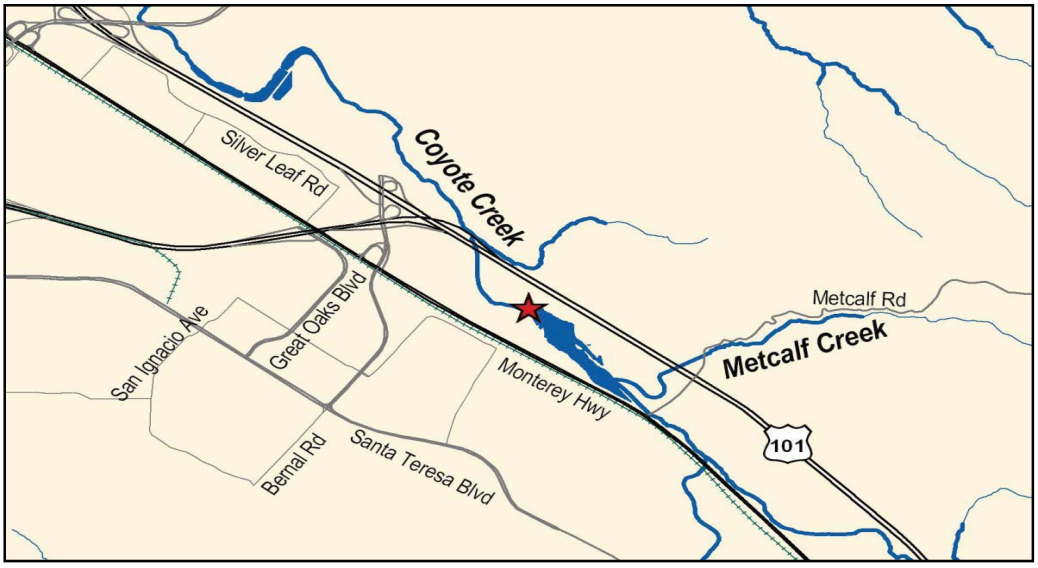
Steel Percolation Dam on Coyote Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Coyote Steel Percolation Dam located on Coyote Creek, about 2,000 feet downstream of Metcalf Road, to accomplish the following objectives:

- Preserve existing water rights.
- Improve staff safety associated with the removal and installation of the dam.
- Streamline flood prevention and operating procedures for removal and installation of the dam.

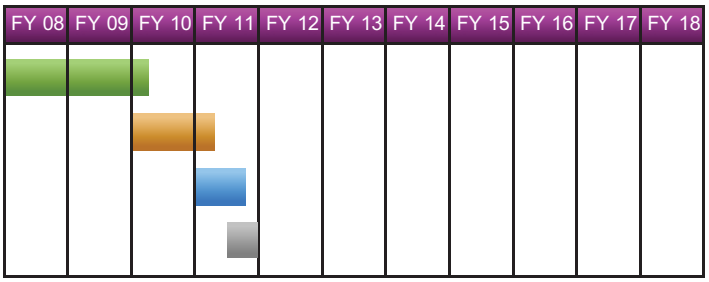
PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to June 2011

Phase	Cost
Plan	536
Design	365
Construct	2,031
Closeout	36
	2,968



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Coyote Diversion Dam Improvements	32	143	429	1,837	527	0	0	0	2,968
with inflation	32	143	429	2,240	596	0	0	0	3,440

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Coyote Diversion Dam Improvements	310	367	502	0	2,167	596	0	0	0	3,440

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,440
Other Funding Source	0
Total	**3,440**

OPERATING COST IMPACTS

Operating cost impacts are anticipated an will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	IRP2 Backup Raw Water Control Center at Almaden
Program	Water Supply – Transmission
Priority No.	46
Project No.	92374005
District Contact	Michael Hamer mhamer@valleywater.org

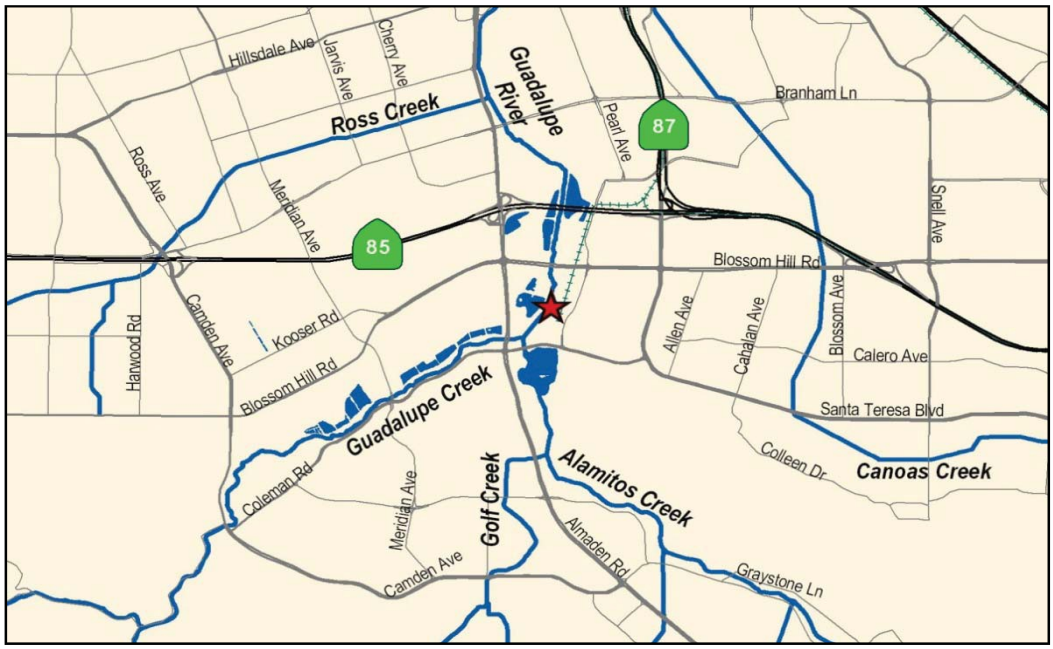


Raw water SCADA operations control room at RWTP.
A satellite control room will be constructed at Almaden.

PROJECT DESCRIPTION

This project plans, designs, and constructs a raw water Supervisory Control and Data Acquisition (SCADA) system at the Almaden Campus, supporting the main system which is remotely located at Rinconada Water Treatment Plant (RWTP), as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to provide a backup location for the raw water SCADA system.

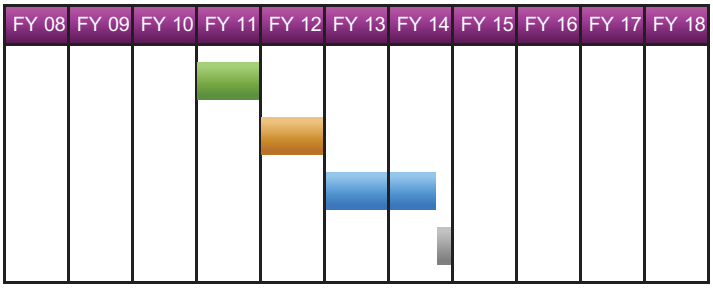
PROJECT LOCATION



SCHEDULE & STATUS

July 2010 to June 2014

Phase	Cost
Plan	32
Design	106
Construct	1,081
Closeout	11
	1,230



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	32	106	616	476	1,230
with inflation	0	0	0	0	36	125	897	694	1,753

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
IRP2 Backup Raw Water Control Center at Almaden	0	0	0	0	0	36	125	897	694	1,753

FUNDING SOURCES

(in thousands $)

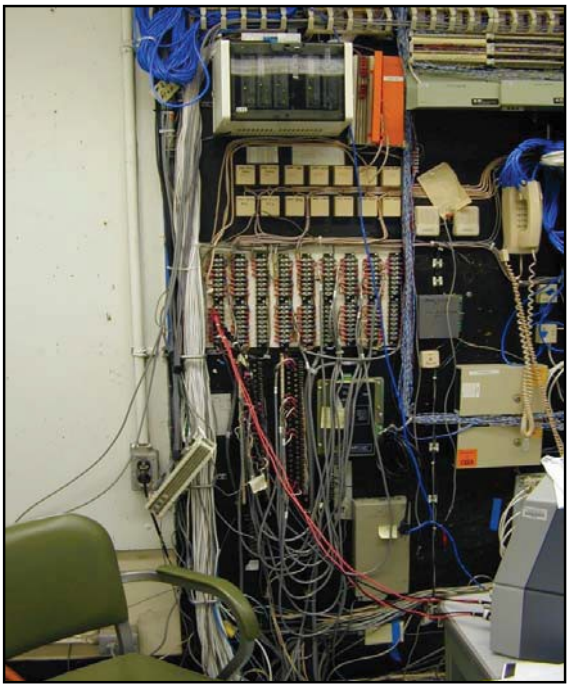
SCVWD Water Utility Enterprise Fund	1,753
Other Funding Source	0
Total	1,753

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $40,000 per year, beginning in FY 2015, to have an operator exercise the control room once or twice a month and operational support from control technicians and SCADA engineers.

USEFUL LIFE: 10 Years

Project	**IRP2 Self-Sufficient SCADA System**
Program	Water Supply – Transmission
Priority No.	30
Project No.	92C40208
District Contact	Michael Hamer mhamer@valleywater.org



Leased phone lines at RWTP will no longer be used for primary SCADA communications.

PROJECT DESCRIPTION

This project plans, designs, and constructs a reliable means of primary communication with the District's Supervisory Control and Data Acquisition (SCADA) systems on raw and treated water lines, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2). Leased phone lines will no longer be used for primary SCADA communication and additional repeater sites will be added. This project will provide for more cost-effective and reliable communications with remote facilities.

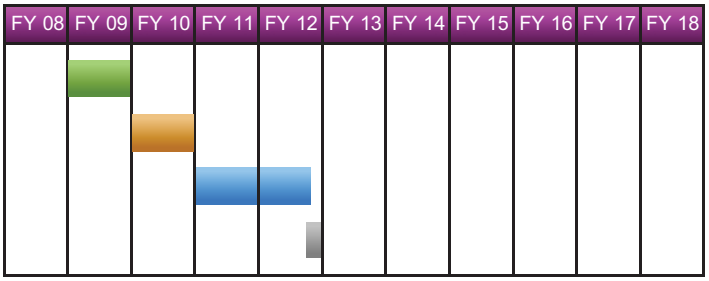
PROJECT LOCATION

The location of repeater sites and other systems will be identified during the initial phases of the project.

SCHEDULE & STATUS

July 2008 to June 2012

Phase	Cost
Plan	675
Design	665
Construct	3,211
Closeout	74
	4,625



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
IRP2 Self-Sufficient SCADA System	0	0	675	665	1,822	1,463	0	0	4,625
with inflation	0	0	675	722	2,338	1,973	0	0	5,707

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
IRP2 Self-Sufficient SCADA System	0	0	0	675	722	2,338	1,973	0	0	5,707

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,707
Other Funding Source	0
Total	**5,707**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $81,000 per year, beginning in FY 2013, for phone line savings on long-distance communication to the reservoirs in Morgan Hill, and troubleshooting labor savings of about 400 hours per year.

USEFUL LIFE: 10 Years

Project	Kirk Ditch Improvements
Program	Water Supply – Transmission
Priority No.	45
Project No.	9234002
District Contact	Michael Hamer mhamer@valleywater.org



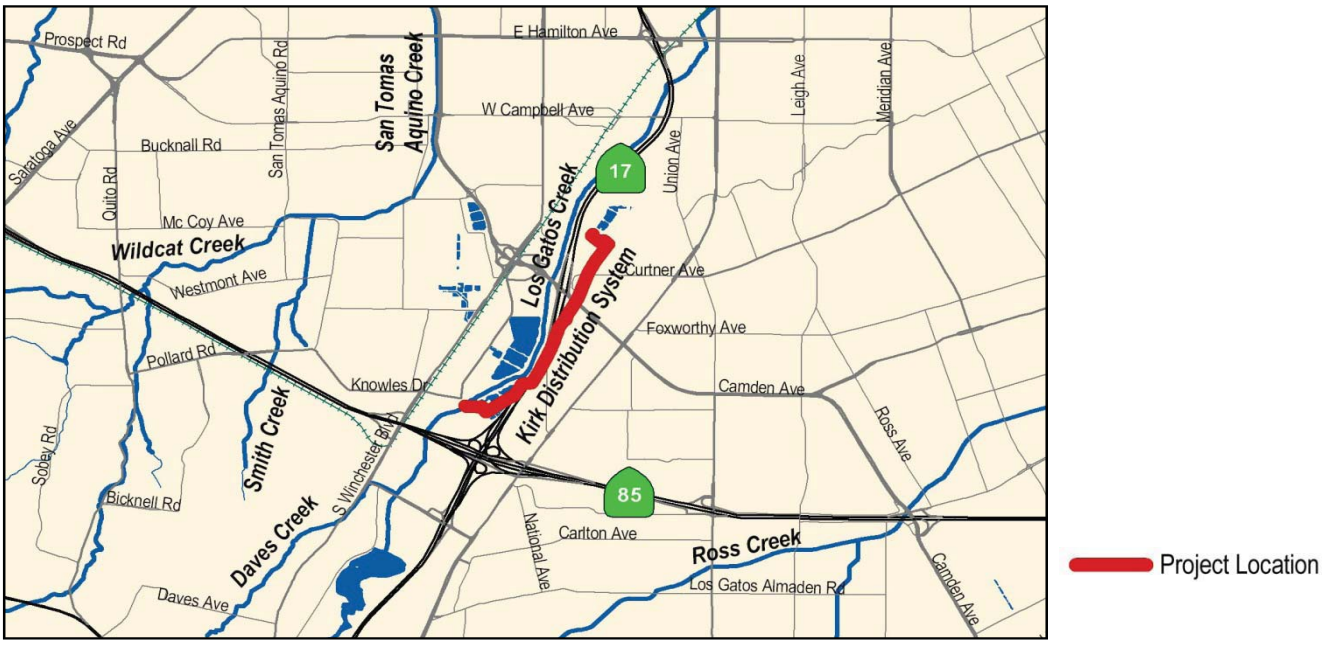
Kirk Ditch transitioning to conduit under Camden Avenue along the westerly side of White Oaks Road.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to convert 250 feet of open channel to closed conduit and cover 100 feet of open channel with concrete cover to accomplish the following objectives:

- Reduce maintenance cost and possibility of plugging.
- Reduce risk of injury.
- Improve accuracy in stream flow data.

PROJECT LOCATION

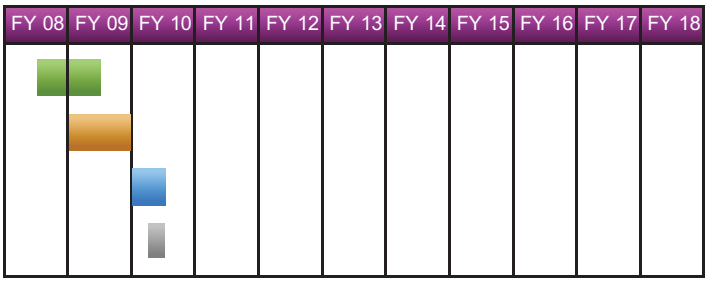


SCHEDULE & STATUS

November 2007 to December 2009

This project began in 1996 and stopped in 2004. Then it restarted in 2007, due to reassessment of priority and resources.

Phase	Cost
Plan	515
Design	643
Construct	1,414
Closeout	20
	2,592



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Kirk Ditch Improvements	379	250	1,743	220	0	0	0	0	2,592
with inflation	379	250	1,743	239	0	0	0	0	2,611

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Kirk Ditch Improvements	379	1,398	1,148	595	239	0	0	0	0	2,611

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,611
Other Funding Source	0
Total	**2,611**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 50 Years

Project	**Kirk Diversion Dam Improvements**
Program	Water Supply – Transmission
Priority No.	84
Project No.	92534003
District Contact	Katherine Oven koven@valleywater.org



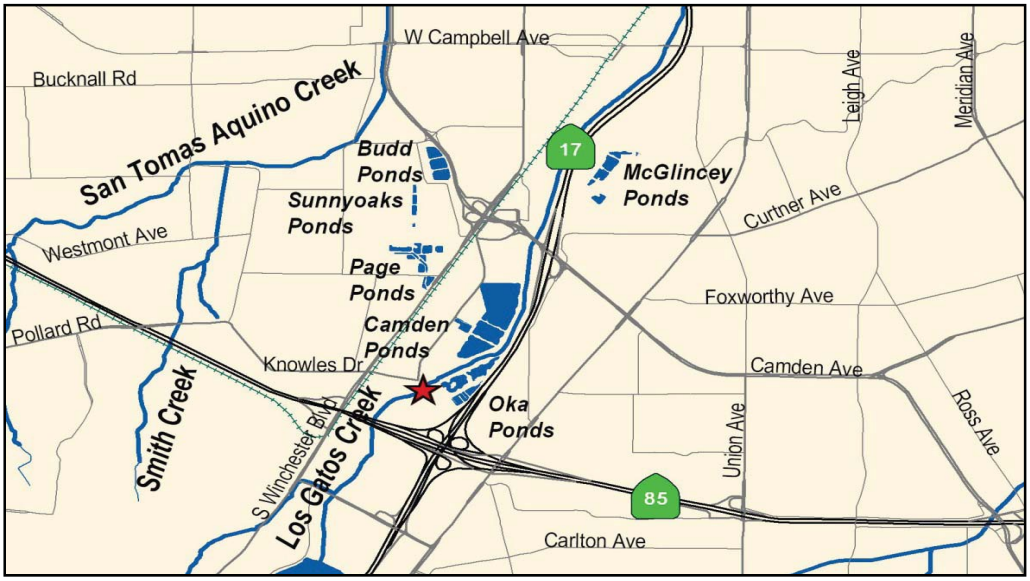
Kirk Dam on Los Gatos Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Kirk Diversion Dam on Los Gatos Creek approximately 4,000 feet downstream of Lark Avenue, adjacent to the intersection of Knowles Drive and Dell Avenue, to

- Preserve existing water rights.
- Reduce Flood Risk. The existing flashboard system cannot be removed during storm events or emergency situati
- Improve staff safety by minimizing exposure of staff to a potentially hazardous environment.

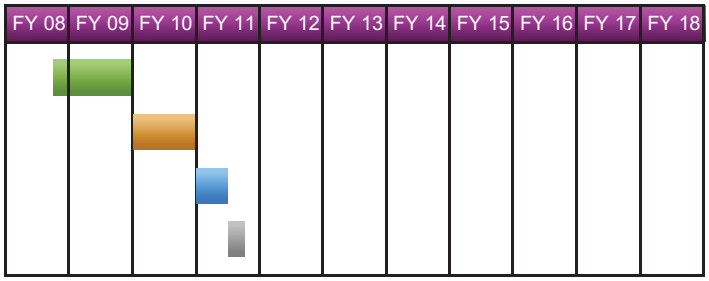
PROJECT LOCATION



SCHEDULE & STATUS

April 2008 to February 2011

Phase	Cost
Plan	522
Design	249
Construct	1,410
Closeout	10
	2,191



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Kirk Diversion Dam Improvements	1	10	511	1,549	120	0	0	0	2,191
with inflation	1	10	511	1,889	136	0	0	0	2,546

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Kirk Diversion Dam Improvements	313	0	302	209	1,889	136	0	0	0	2,546

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,546
Other Funding Source	0
Total	**2,546**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	Kirk Diversion Fish Screen
Program	Water Supply – Transmission
Priority No.	76
Project No.	92534004
District Contact	Katherine Oven koven@valleywater.org



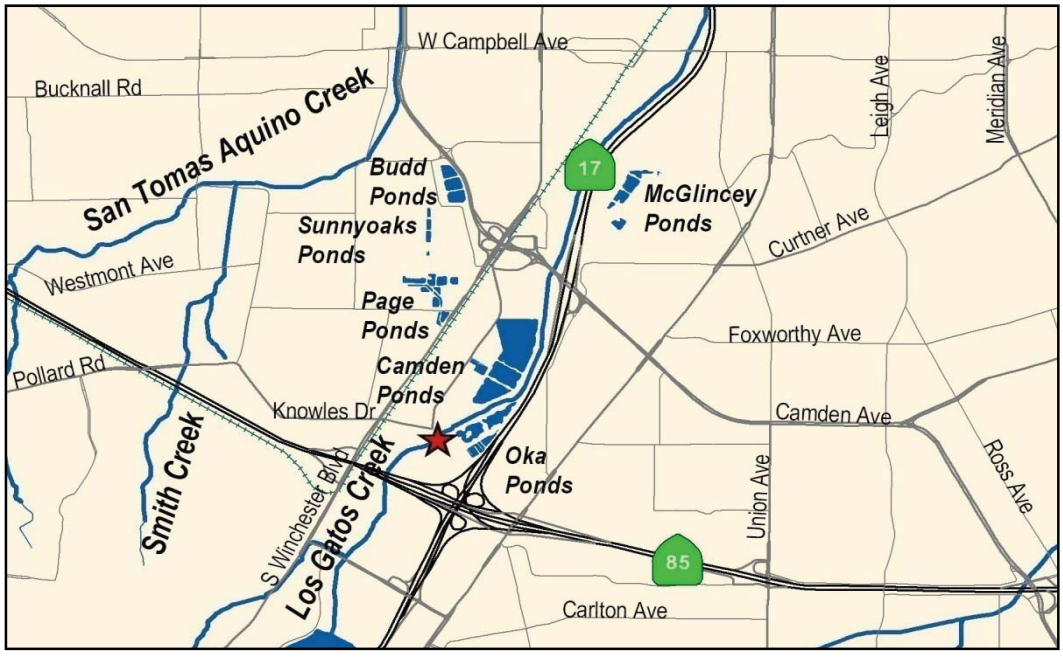
Proposed Kirk Diversion fish screen to be installed behind the existing trash rack

PROJECT DESCRIPTION

This project plans, designs, and constructs a fish screen at Kirk Diversion, which is located just upstream of Kirk Diversion Dam on the east side of Los Gatos Creek, to accomplish the following objectives:

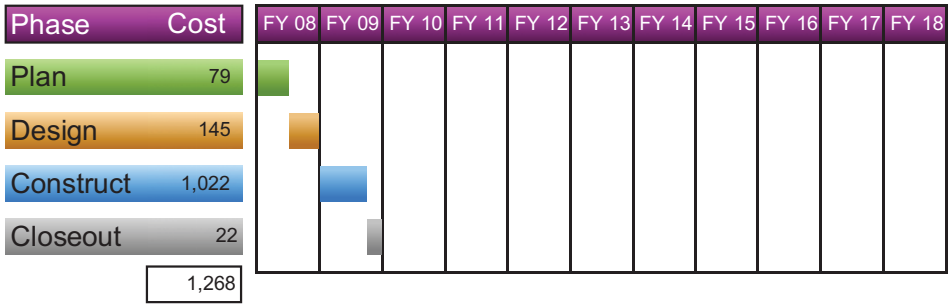
- Reduce entrainment of aquatic life forms into the Kirk and Page Ditches.
- Reduce impacts to aquatic life during maintenance activities such as draining of the recharge ponds.
- Perform operations and maintenance in a more environmentally sensitive manner.

PROJECT LOCATION



SCHEDULE & STATUS

July 2007 to June 2009



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Kirk Diversion Fish Screen	0	224	1,044	0	0	0	0	0	1,268
with inflation	0	224	1,044	0	0	0	0	0	1,268

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Kirk Diversion Fish Screen	0	224	0	1,044	0	0	0	0	0	1,268

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,268
Other Funding Source	0
Total	**1,268**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2010, for regularly scheduled screen cleaning and maintenance.

USEFUL LIFE: 30 Years

Project	**Main Avenue Pipeline Restoration**
Program	Water Supply – Transmission
Priority No.	71
Project No.	92564002
District Contact	Michael Hamer mhamer@valleywater.org



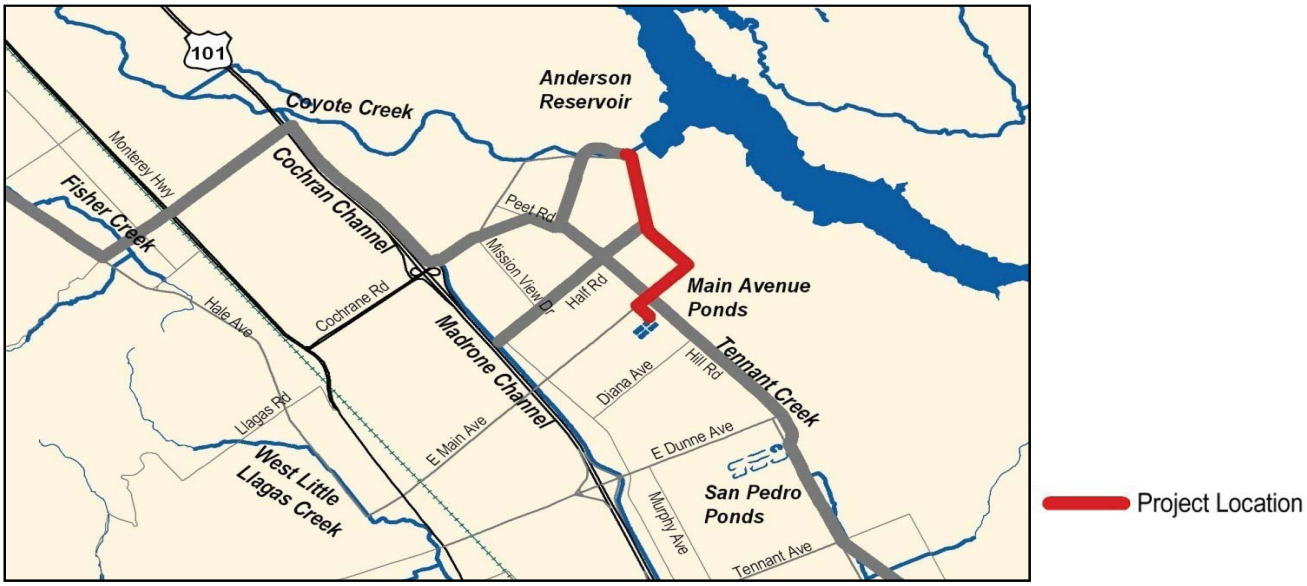
Looking west along East Main Avenue, the pipeline runs under the shoulder of the road.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on the full length of the Main Avenue pipeline to accomplish the following objectives:

- Provide the means to utilize another reliable water source, (e.g. Anderson Reservoir) to supply water to the Main Avenue Ponds and the Madrone Channel.
- Allow for greater flows to the Main Avenue Ponds and the Madrone Pipeline.
- Maximize imported water flows to the treatment plants.

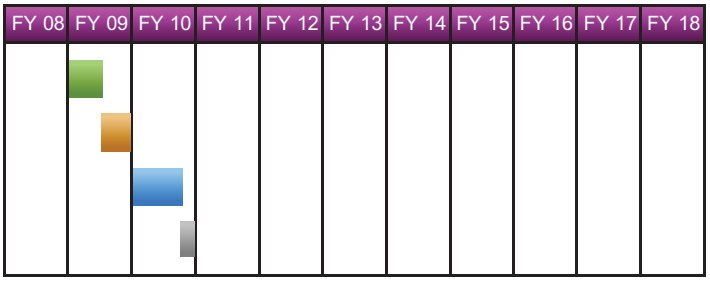
PROJECT LOCATION



SCHEDULE & STATUS

June 2008 to June 2010

Phase	Cost
Plan	212
Design	777
Construct	5,050
Closeout	50
	6,089



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Main Avenue Pipeline Restoration	0	0	989	5,100	0	0	0	0	6,089
with inflation	0	0	989	6,222	0	0	0	0	7,211

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Main Avenue Pipeline Restoration	0	918	918	71	6,222	0	0	0	0	7,211

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,211
Other Funding Source	0
Total	**7,211**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as it does not significantly alter the facility or modes of operation.

USEFUL LIFE: 40 Years

Project	**Page Desilting System Improvements**
Program	Water Supply – Transmission
Priority No.	43
Project No.	92604002
District Contact	Michael Hamer mhamer@valleywater.org



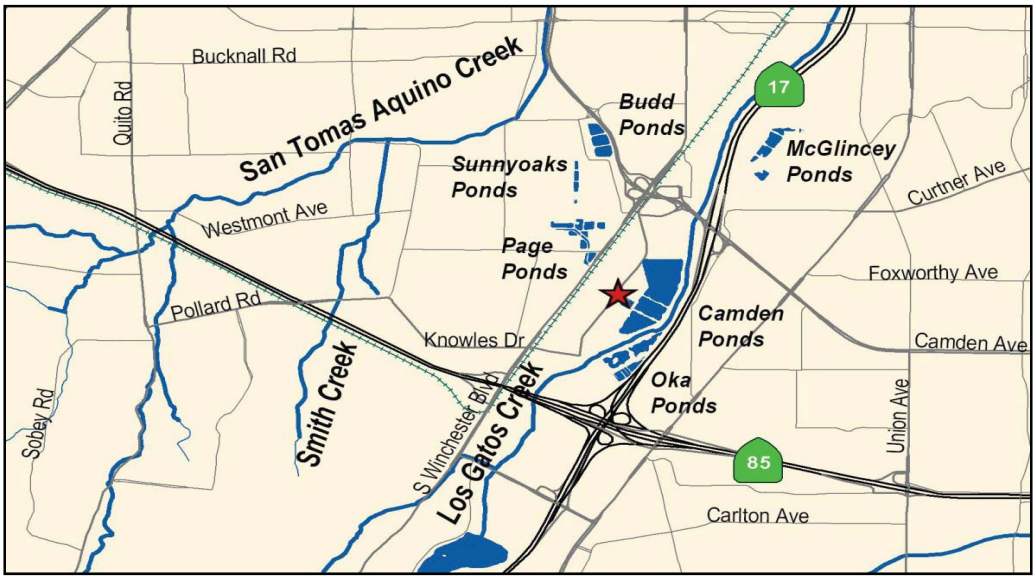
Page Desilting System Weir, adjacent to the Camden Avenue Recharge Ponds

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Page Desilting System, adjacent to the Camden Avenue Recharge Ponds, to accomplish the following objectives:

- Modify existing weirs to increase the discharge capacity from 25 cfs to 36 cfs to increase annual yield by 300 acre feet per year.
- Lower the operating levels of the detention basin to 6 inches below the current level, if possible.
- Increase the District's capacity to exercise water rights.
- Reduce operating risks.

PROJECT LOCATION

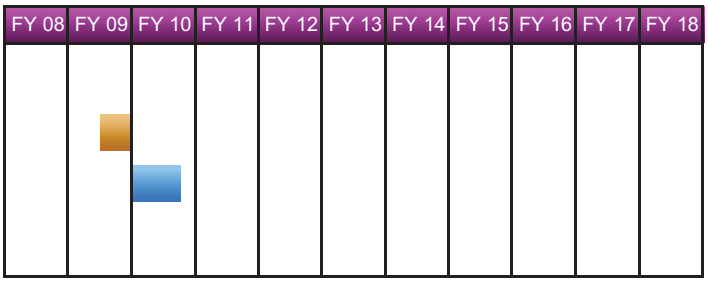


SCHEDULE & STATUS

January 2009 to June 2010

Planning Phase was done with other work in a separate project.

Phase	Cost
Plan	-
Design	146
Construct	622
Closeout	32
	800



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Page Desilting System Improvements	0	0	146	654	0	0	0	0	800
with inflation	0	0	146	792	0	0	0	0	938

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Page Desilting System Improvements	0	0	0	146	792	0	0	0	0	938

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	938
Other Funding Source	0
Total	**938**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $2,000 per year, beginning in FY 2011. Manually flushing the control valves during the winter months to remove silt will no longer be

USEFUL LIFE: 50+ Years

Project	**Penitencia Fish Facilities Modifications**
Program	Water Supply – Transmission
Priority No.	41
Project No.	92C40239
District Contact	Michael Hamer mhamer@valleywater.org



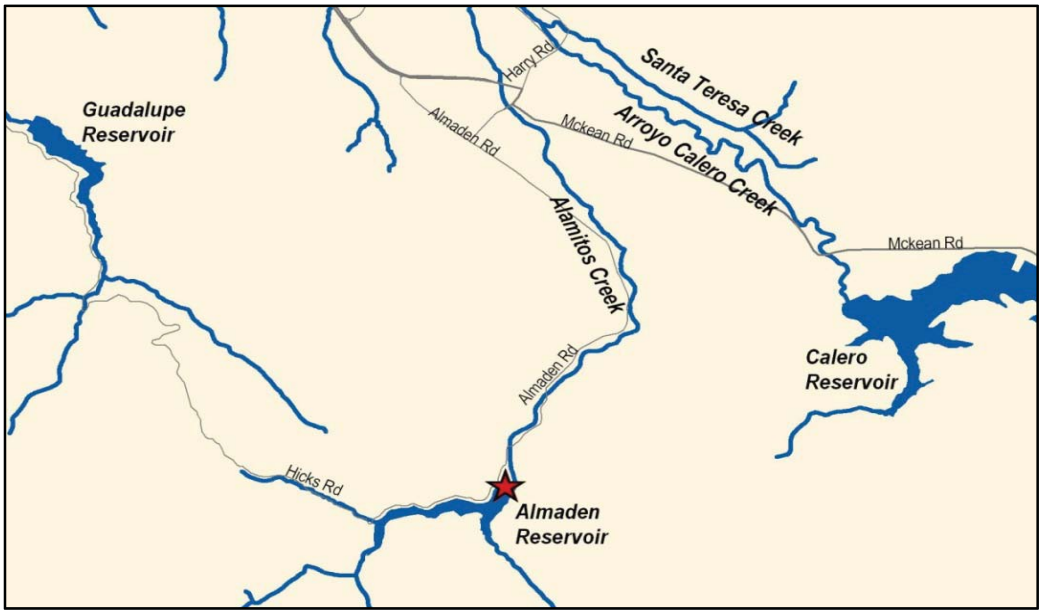
Noble Diversion and fish ladder on Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on Penitencia Creek at the fish facilities located near the Robert W. Gross Ponds, Noble Avenue Diversion, and Mabury Diversion to accomplish the following objectives:

- Prevent exotic species that populate the Robert W. Gross Ponds from being introduced into Penitencia Creek.
- Develop water supplies and exercise water rights on Upper Penitencia Creek at the Noble Avenue and Mabury Diversions.

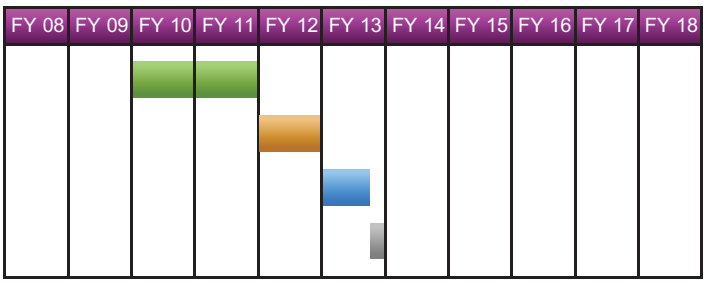
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2013

Phase	Cost
Plan	373
Design	266
Construct	626
Closeout	54
	1,319



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Penitencia Fish Facilities Modifications	0	0	0	267	212	160	680	0	1,319
with inflation	0	0	0	290	240	189	992	0	1,710

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Penitencia Fish Facilities Modifications	0	0	0	0	290	240	189	992	0	1,710

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,710
Other Funding Source	0
Total	**1,710**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $25,000 per year, beginning in FY 2013. The possible abandonment of the Mabury diversion would put the water to a more beneficial use and save on labor to operate the diversion and existing fish screens at that location.

USEFUL LIFE: 20 Years

Project	**Pipeline Hydraulic Reliability Upgrades**
Program	Water Supply – Transmission
Priority No.	49
Project No.	92C40252
District Contact	Michael Hamer mhamer@valleywater.org



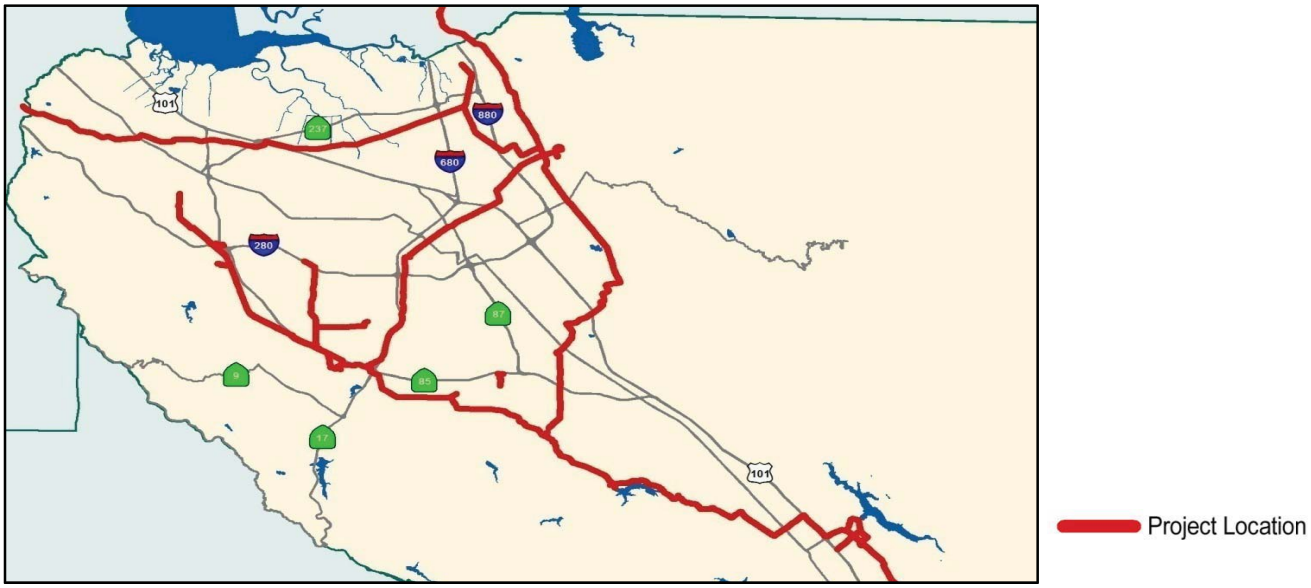
Telemetry will be added to agricultural turnouts such as these so that flow can be monitored remotely.

PROJECT DESCRIPTION

This project plans, designs and constructs improvements along the treated and raw water pipelines to ensure hydraulic reliability of the pipelines.

This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

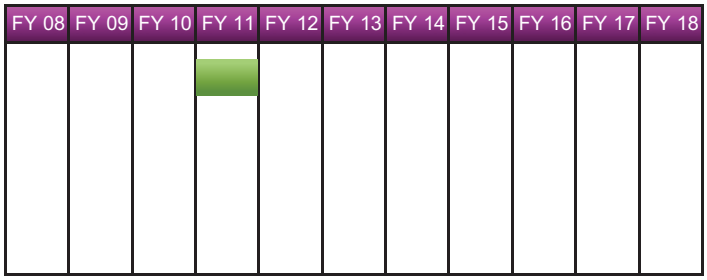


SCHEDULE & STATUS

July 2010 to June 2011

(Planning Phase Only)

Phase	Cost
Plan	250
Design	-
Construct	-
Closeout	-
	250



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pipeline Hydraulic Reliability Upgrades	0	0	0	0	250	0	0	0	250
with inflation	0	0	0	0	283	0	0	0	283

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pipeline Hydraulic Reliability Upgrades	0	0	0	0	0	283	0	0	0	283

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	283
Other Funding Source	0
Total	**283**

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Santa Clara Distributary Turnout**
Program	Water Supply – Transmission
Priority No.	37
Project No.	94554002
District Contact	Michael Hamer mhamer@valleywater.org

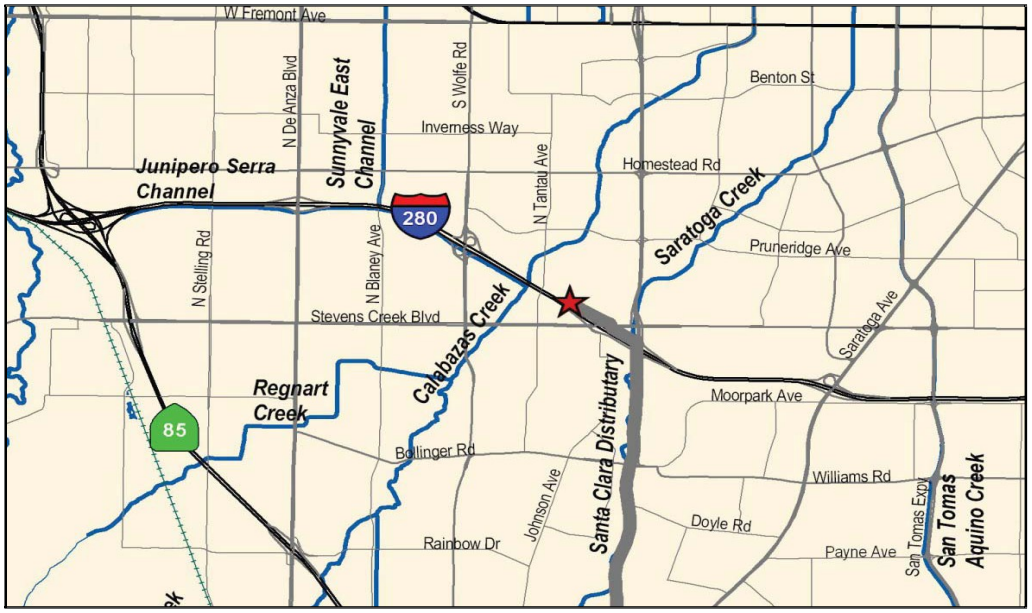


A second turnout will be constructed near Santa Clara's current turnout, which is shown here.

PROJECT DESCRIPTION

This project coordinates with the City of Santa Clara for the planning, design, and construction of a second turnout on the Santa Clara Distributary, near the existing turnout, which is located at the terminus of the Distributary, near Interstate 280 and north of the Stevens Creek Boulevard crossing to reduce discharge velocities from the existing Santa Clara Distributary turnout to acceptable levels.

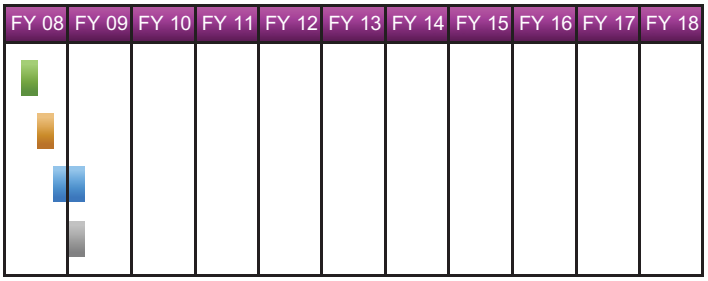
PROJECT LOCATION



SCHEDULE & STATUS

October 2007 to August 2008

Phase	Cost
Plan	38
Design	20
Construct	118
Closeout	78
	254



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Santa Clara Distributary Turnout	0	98	156	0	0	0	0	0	254
with inflation	0	98	156	0	0	0	0	0	254

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Santa Clara Distributary Turnout	0	98	0	156	0	0	0	0	0	254

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	254
Other Funding Source	0
Total	**254**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, because the new facility will be owned and operated by the City of Santa Clara.

USEFUL LIFE: 40 Years

Project	**Santa Clara Valley Recharge Ponds**
Program	Water Supply – Transmission
Priority No.	50
Project No.	92C40201
District Contact	Michael Hamer mhamer@valleywater.org



This project constructs recharge facilities similar to this existing recharge pond in North County.

PROJECT DESCRIPTION

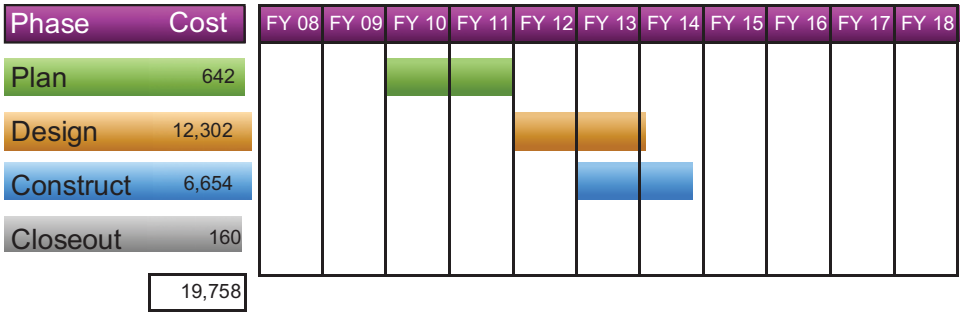
This project plans, designs, and constructs groundwater recharge facilities in northern Santa Clara County to recharge an additional 3,900 acre feet per year into the groundwater basin.

PROJECT LOCATION

Sites for future recharge ponds have not been identified

SCHEDULE & STATUS

July 2009 to June 2014



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Santa Clara Valley Recharge Ponds	0	0	0	321	321	6,151	9,478	3,487	19,758
with inflation	0	0	0	349	363	7,251	12,271	4,969	25,202

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Santa Clara Valley Recharge Ponds	0	0	0	0	349	363	7,251	12,271	4,969	25,202

FUNDING SOURCES

(in thousands $)

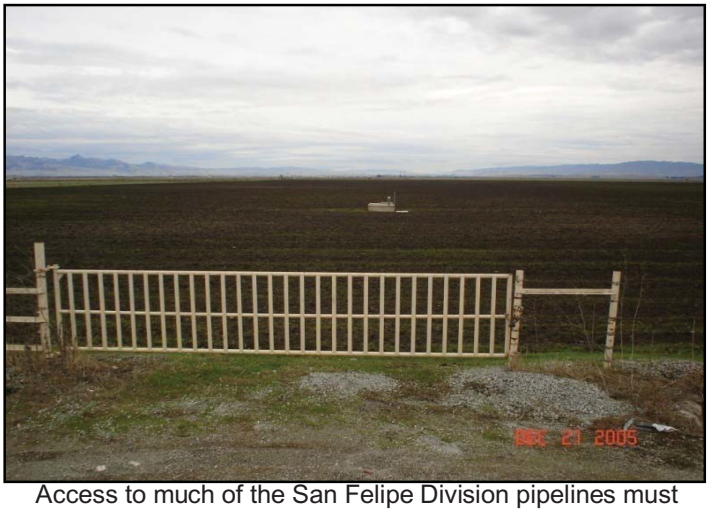
SCVWD Water Utility Enterprise Fund	25,202
Other Funding Source	0
Total	**25,202**

OPERATING COST IMPACTS

Completion of this project is anticipated to increase operating costs by approximately $25,000 per year, beginning in FY 2015, for annual maintenance of new ponds. Annual maintenance will include periodic pond cleaning to improve percolation, weed abatement, Water Master Charges for daily inspection, trash cleanup, and periodic bank

USEFUL LIFE: 50+ Years

Project	**South County Pipeline Right of Way Acquisition**
Program	Water Supply – Transmission
Priority No.	30
Project No.	92144001
District Contact	Michael Hamer mhamer@valleywater.org



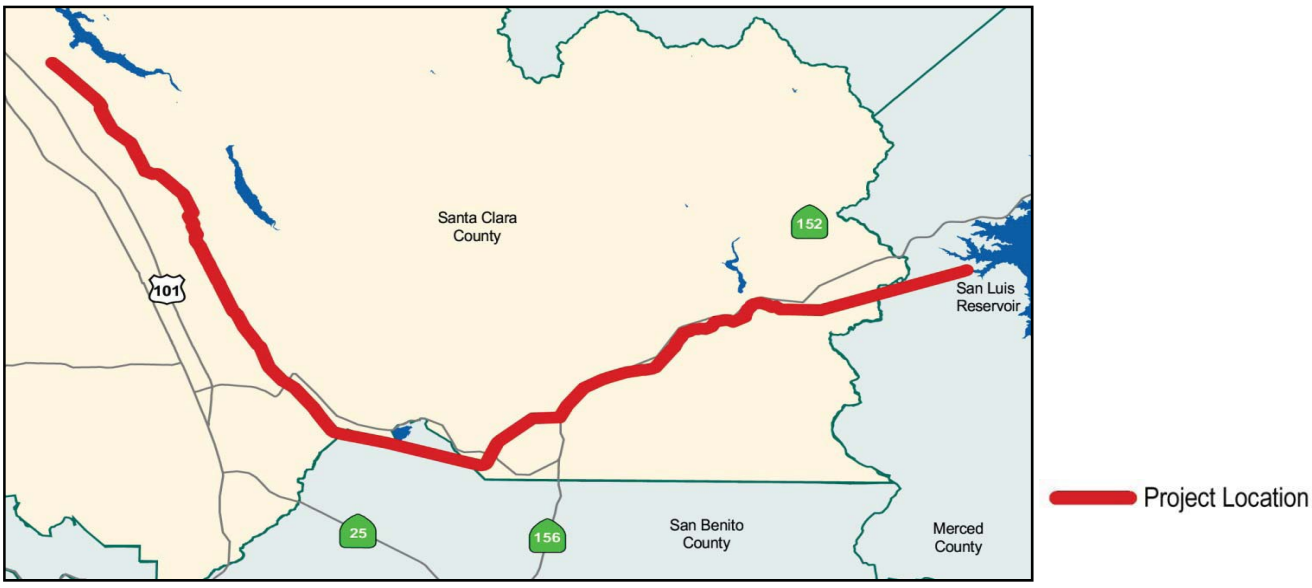
Access to much of the San Felipe Division pipelines must currently be made through private property, due to a lack of easements, such as Bloomfield access at Vault 21-23.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements related to the acquisition of right of way along the South County Pipeline to accomplish the following objectives:

- Provide unlimited access to District facilities.
- Reduce conflicts with local owners and improve response time for emergency repairs or operations.

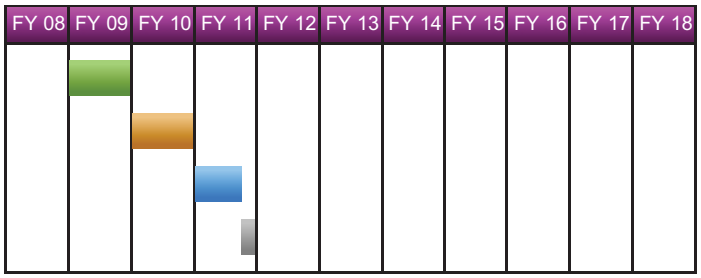
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2011

Phase	Cost
Plan	254
Design	194
Construct	1,425
Closeout	35
	1,908



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
South County Pipeline Right of Way Acquisition	0	0	174	274	1,460	0	0	0	1,908
with inflation	0	0	174	297	1,928	0	0	0	2,399

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
South County Pipeline Right of Way Acquisition	0	0	0	174	297	1,928	0	0	0	2,399

FUNDING SOURCES

(in thousands $)

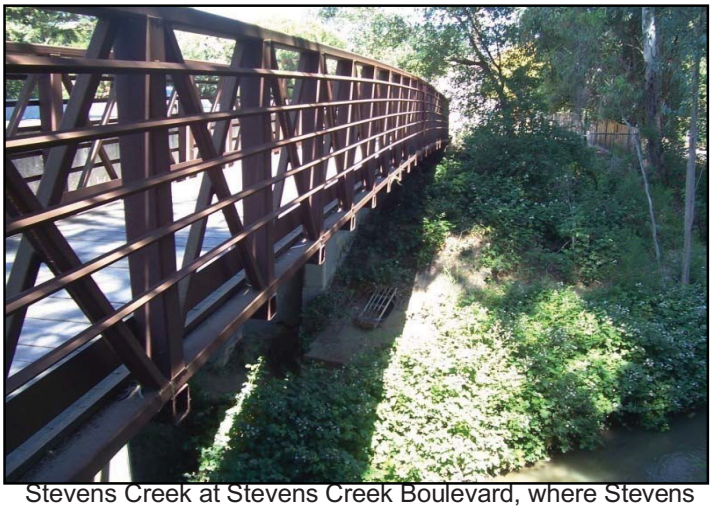
SCVWD Water Utility Enterprise Fund	2,399
Other Funding Source	0
Total	**2,399**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $8,000 per year, beginning in FY 2011, for vegetation control and/or maintenance of fences, gates and locks for the access roads.

USEFUL LIFE: 15-20 Years

Project	**Stevens Creek Diversion**
Program	Water Supply – Transmission
Priority No.	39
Project No.	92C40215
District Contact	Michael Hamer mhamer@valleywater.org



Stevens Creek at Stevens Creek Boulevard, where Stevens Creek Pipeline outfall is located

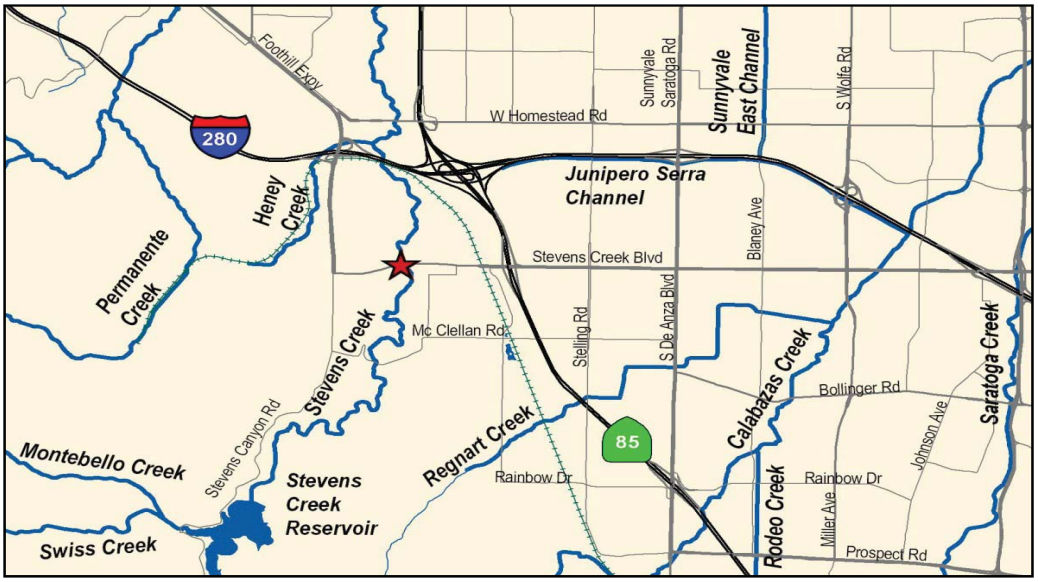
PROJECT DESCRIPTION

This project investigates alternatives for increasing groundwater recharge from the Stevens Creek Reservoir system, including the conveyance of water from Stevens Creek to other recharge facilities, to accomplish the following objectives:

- Increase local supply of water from Stevens Creek
- Increase the District's capacity to exercise water rights
- Meet critical dry period water supply shortage in Santa Clara County

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

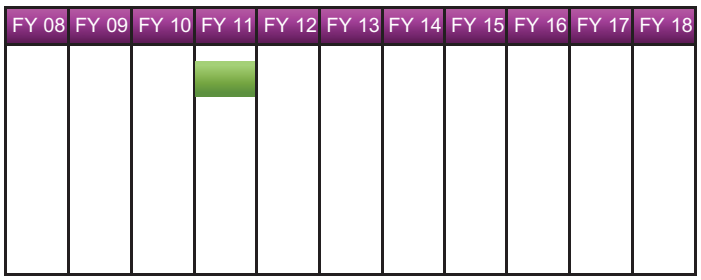


SCHEDULE & STATUS

July 2010 to June 2011

(Planning Phase Only)

Phase	Cost
Plan	138
Design	-
Construct	-
Closeout	-
	138



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Stevens Creek Diversion	0	0	0	0	138	0	0	0	138
with inflation	0	0	0	0	156	0	0	0	156

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Stevens Creek Diversion	0	0	0	0	0	156	0	0	0	156

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	156
Other Funding Source	0
Total	**156**

OPERATING COST IMPACTS

Alternatives Analysis Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Treated Water Pipelines Turnout Improvements**
Program	Water Supply – Transmission
Priority No.	42
Project No.	92C40253
District Contact	Michael Hamer mhamer@valleywater.org



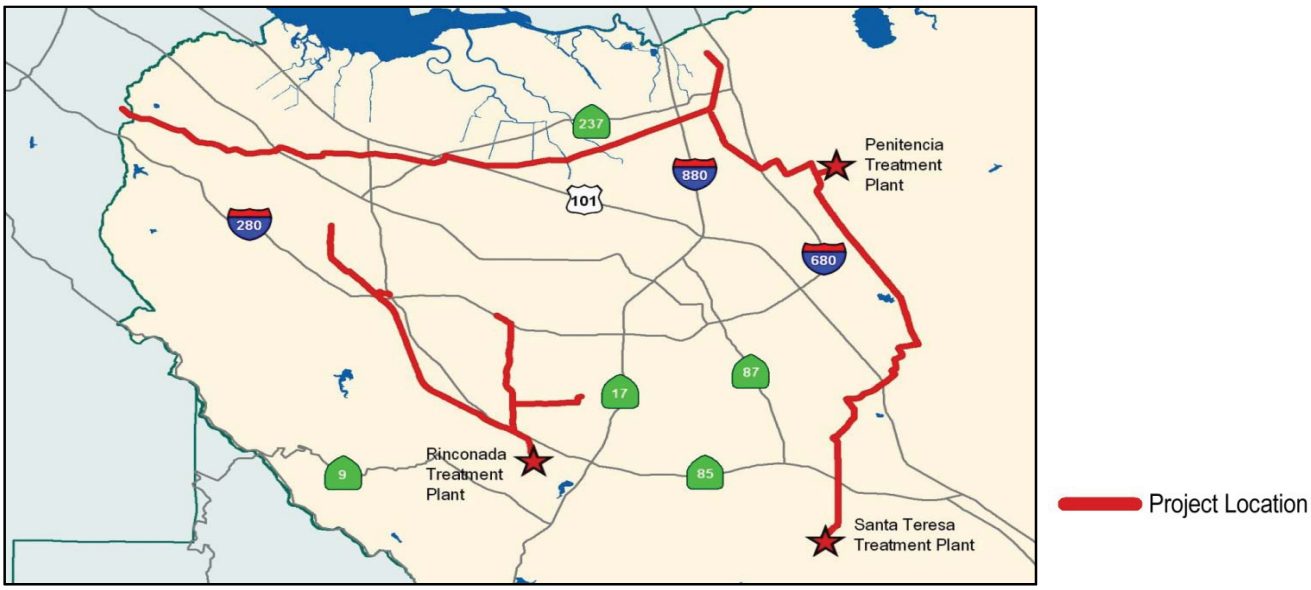
Check valves will be added at turnouts to prevent backflow and potential water quality concerns. Pressure gauges will also be added at high points

PROJECT DESCRIPTION

This project plan, designs, and constructs improvements to treated water turnouts to correct deficiencies with regard to health and safety, water quality, and asset protection of various treated water turnouts.

This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

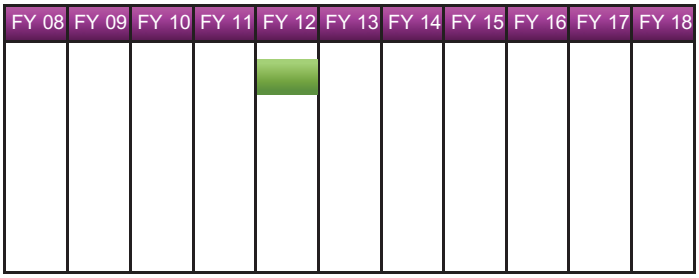


SCHEDULE & STATUS

July 2011 to June 2012

(Planning Phase Only)

Phase	Cost
Plan	250
Design	-
Construct	-
Closeout	-
	250



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Treated Water Pipelines Turnout Improvements	0	0	0	0	0	250	0	0	250
with inflation	0	0	0	0	0	295	0	0	295

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Treated Water Pipelines Turnout Improvements	0	0	0	0	0	0	295	0	0	295

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	295
Other Funding Source	0
Total	**295**

OPERATING COST IMPACTS

Planning Phase Only: No operating ost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Vasona Canal Improvement**
Program	Water Supply – Transmission
Priority No.	72
Project No.	92714001
District Contact	Michael Hamer mhamer@valleywater.org



Stevens Creek Pipeline intersects Vasona Canal near Pollard Road and Highway 85.

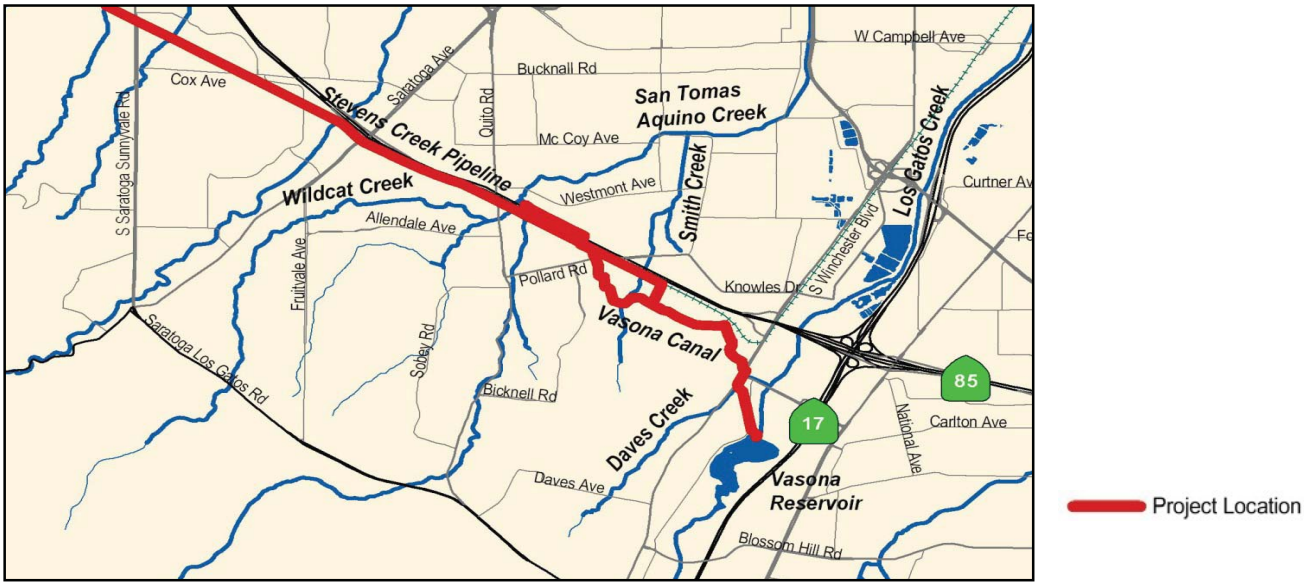
PROJECT DESCRIPTION

This project evaluates the feasibility of planning, designing, and constructing improvements to the Vasona Canal to convey raw water to creeks in the Stevens Creek watershed and accomplish the following objectives:

- Provide an alternative source of water for recharge in the Stevens Creek watershed.
- Provide an alternative source of water for maintaining stream flows for fisheries
- Improve water supply reliability through 2010 by adding raw water system operational flexibility.
- Increase ability to utilize existing water rights and local sources.

This project is funded for the feasibility phase only. The scope, schedule, costs and funding sources for planning, design, and construction phases will be determined upon completion of the planning phase.

PROJECT LOCATION

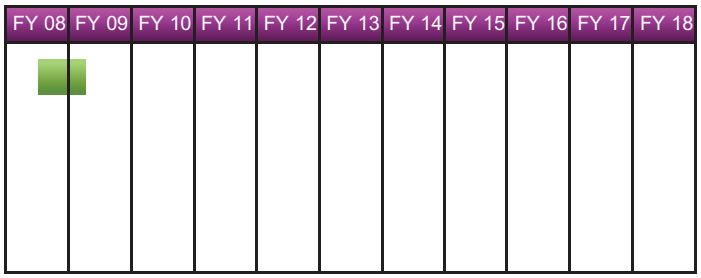


SCHEDULE & STATUS

December 2007 to August 2008

(Feasibility Phase Only)

Phase	Cost
Plan	187
Design	-
Construct	-
Closeout	-
	187



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Vasona Canal Improvement	0	134	53	0	0	0	0	0	187
with inflation	0	134	53	0	0	0	0	0	187

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Vasona Canal Improvement	0	134	0	53	0	0	0	0	0	187

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	187
Other Funding Source	0
Total	**187**

OPERATING COST IMPACTS

Planning Phase Only: No operating cost impacts are expected from the completion of this phase of the project.

USEFUL LIFE: Not Available

Project	**Vasona Pumping Plant Electrical Upgrades**
Program	Water Supply – Transmission
Priority No.	42
Project No.	92264008
District Contact	Michael Hamer mhamer@valleywater.org



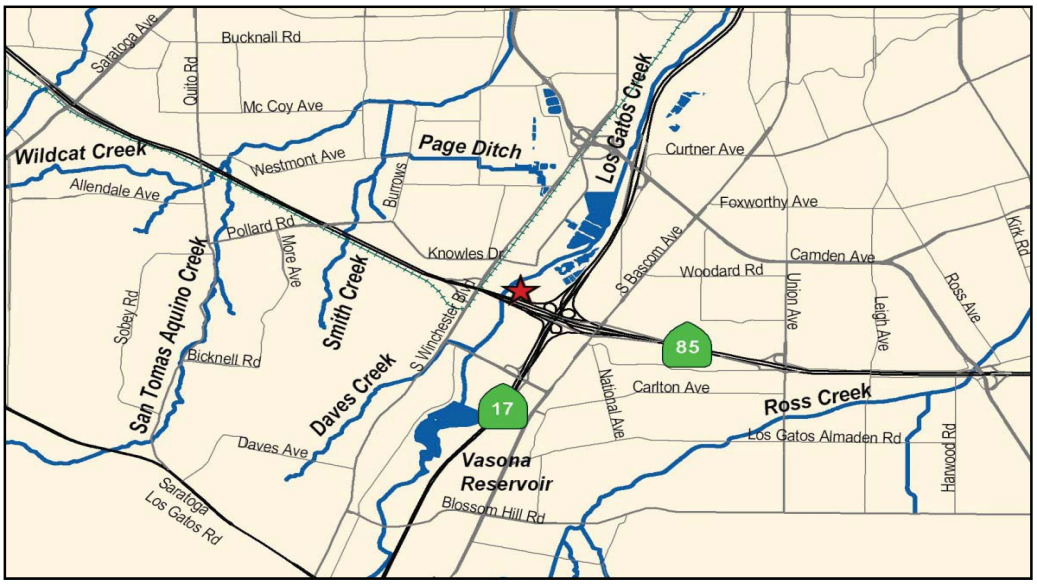
Four electrical control cabinets and motor control panels at Vasona Pumping Plant are scheduled for upgrade.

PROJECT DESCRIPTION

This project plans, designs, and constructs overall rehabilitation and upgrades at Vasona Pumping Plant to accomplish the following objectives:

- Mitigate existing deficiencies in the electrical and control instrumentation systems for short-term reliability.
- Improve the reliability and operation of the pump station to address impacts of Rinconada Water Treatment Plant (RWTP) improvements and other proposed, system-wide modifications.

PROJECT LOCATION

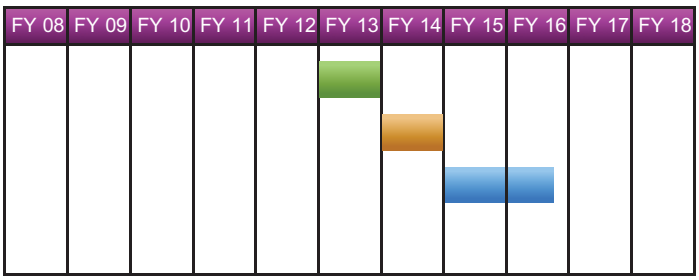


★ Project Location

SCHEDULE & STATUS

July 2012 to June 2016

Phase	Cost
Plan	200
Design	325
Construct	3,575
Closeout	50
	4,150



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Vasona Pumping Plant Electrical Upgrades	0	0	0	0	0	0	100	4,050	4,150
with inflation	0	0	0	0	0	0	123	6,635	6,758

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Vasona Pumping Plant Electrical Upgrades	0	0	0	0	0	0	0	123	6,635	6,758

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,758
Other Funding Source	0
Total	**6,758**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Electrical Systems – 10 Years; Pumping Equipment – 15 Years



Treatment Facilities Project Pages

Project	**IRP2 Seismic Study and Retrofit of WTP Operations Buildings**
Program	Water Supply – Treatment
Priority No.	65
Project No.	93764003
District Contact	Michael Hamer mhamer@valleywater.org



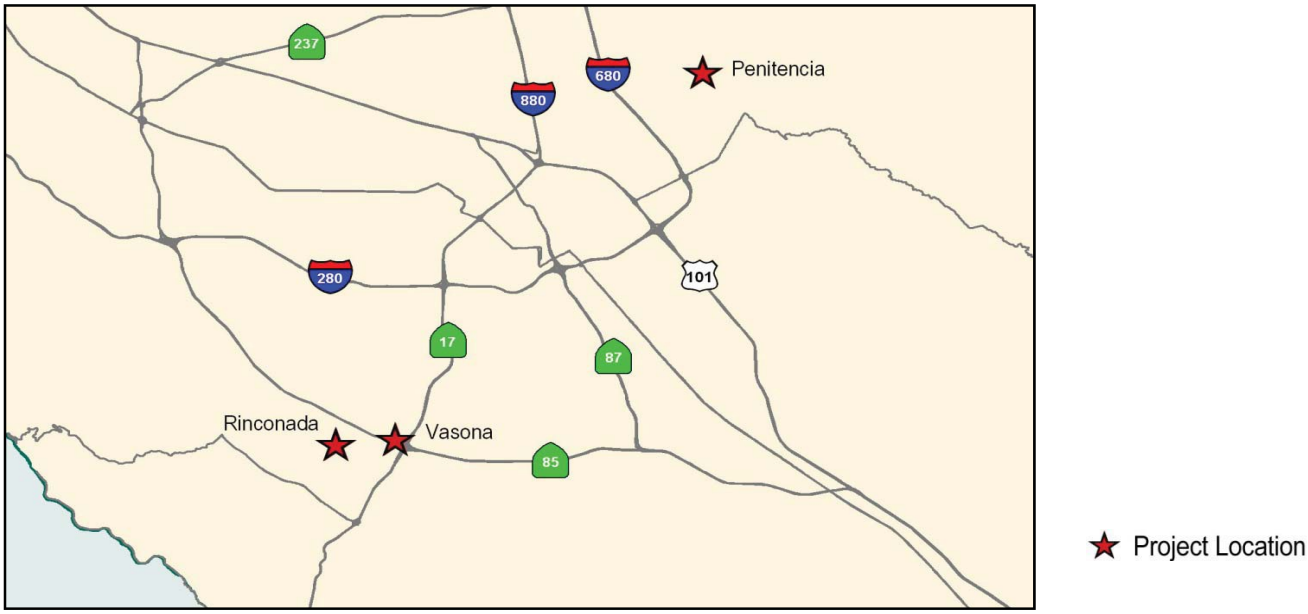
The RWTP control building is one of four buildings that will be studied and possibly retrofitted to meet safety requirements

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements, including possible seismic retrofitting of two water treatment plant operations buildings and two buildings at the Vasona Pump Station that were built prior to 1980, as defined in the Water Infrastructure Reliability Plan, Phase 2 (IRP2), to ensure a healthy and safe work environment

In addition, this Project will consider some non-structural elements of the Rinconada Water Treatment Plant (RWTP) Control Building, such as space reallocation, ADA improvements, and HVAC system rehabilitation.

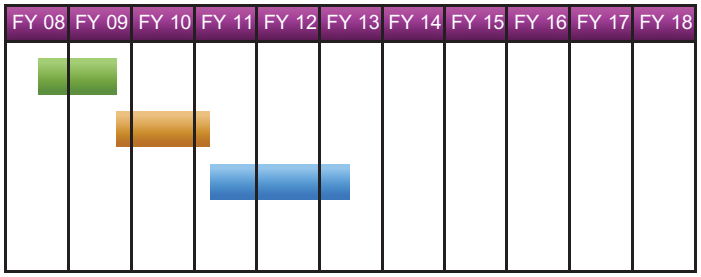
PROJECT LOCATION



SCHEDULE & STATUS

January 2008 to June 2013

Phase	Cost
Plan	2,097
Design	3,253
Construct	19,491
Closeout	150
	24,991



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	0	127	4,148	1,075	9,344	6,119	4,178	0	24,991
with inflation	0	127	4,148	1,167	11,943	8,276	5,992	0	31,652

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
IRP2 Seismic Study and Retrofit of WTP Operations Buildings	0	945	818	3,330	1,167	11,943	8,276	5,992	0	31,652

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	31,652
Other Funding Source	0
Total	**31,652**

OPERATING COST IMPACTS

Completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not alter the existing modes of operation.

USEFUL LIFE: 50+ Years

Project	PWTP Ammonia System Relocation and Upgrades
Program	Water Supply – Treatment
Priority No.	54
Project No.	93C40275
District Contact	Michael Hamer mhamer@valleywater.org



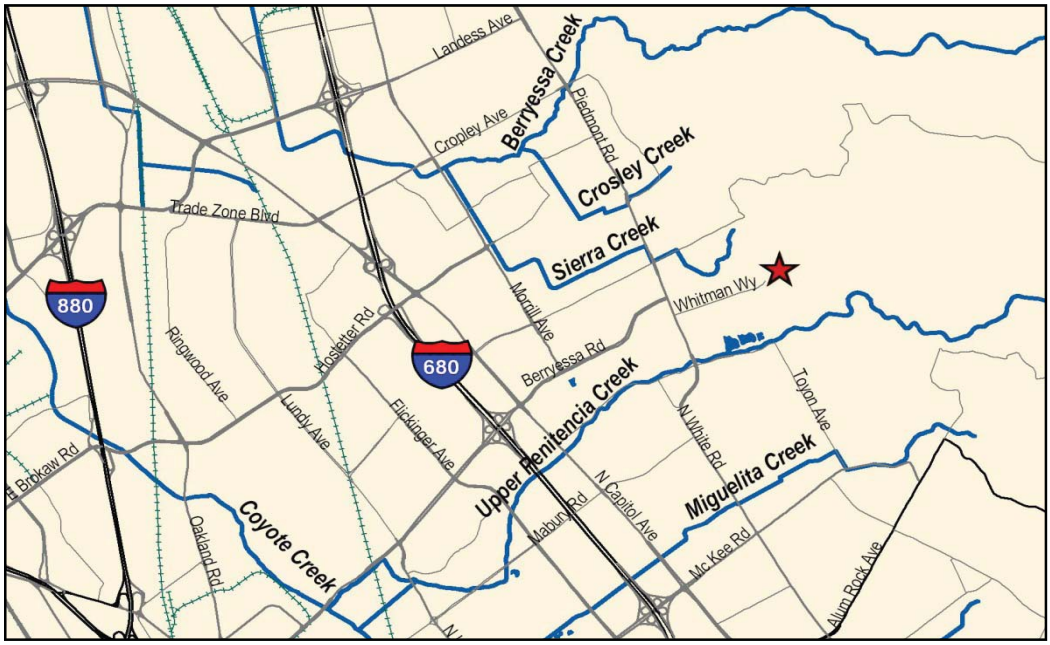
Existing Ammonia Storage Tank at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the ammonia system at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve ability to reliably control the quality of the treated water.

PROJECT LOCATION

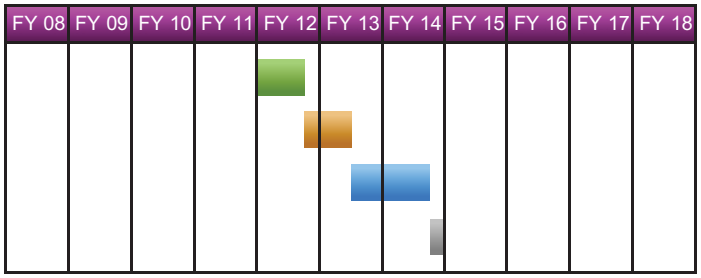


★ Project Location

SCHEDULE & STATUS

July 2011 to June 2014

Phase	Cost
Plan	400
Design	565
Construct	2,428
Closeout	30
	3,423



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Ammonia System Relocation and Upgrades	0	0	0	0	0	567	2,624	232	3,423
with inflation	0	0	0	0	0	668	3,744	297	4,710

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Ammonia System Relocation and Upgrades	0	0	0	0	0	0	668	3,744	297	4,710

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	4,710
Other Funding Source	0
Total	**4,710**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Concrete – 50 Years; Tank – 30 Years; Feed pumps – 15 years

Project	**PWTP Backwash Pump Replacement**
Program	Water Supply – Treatment
Priority No.	55
Project No.	93234036
District Contact	Michael Hamer mhamer@valleywater.org



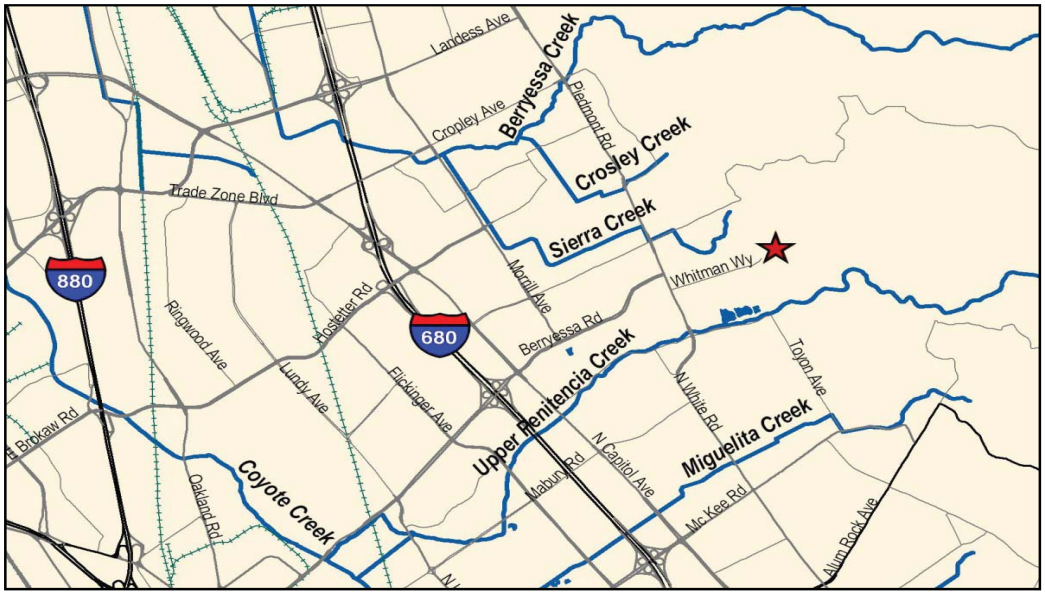
Existing backwash pump at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace the existing Penitencia Water Treatment Plant (PWTP) backwash pump to accomplish the following objectives:

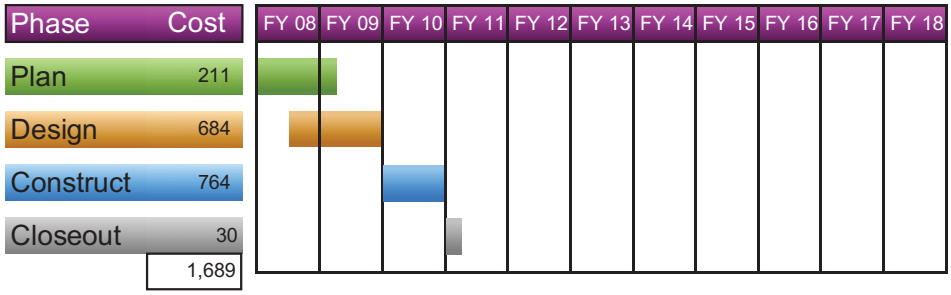
- Meet demands resulting from completion of Treated Water Improvement Project improvements.
- Ensure the reliability and integrity of the Utility's infrastructure.
- Facilitate or enhance the Utility's abilities to produce goods and deliver services.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to August 2010



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Backwash Pump Replacement	106	325	1,121	122	15	0	0	0	1,689
with inflation	106	325	1,121	132	17	0	0	0	1,701

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Backwash Pump Replacement	803	0	372	749	132	17	0	0	0	1,701

FUNDING SOURCES

(in thousands $)

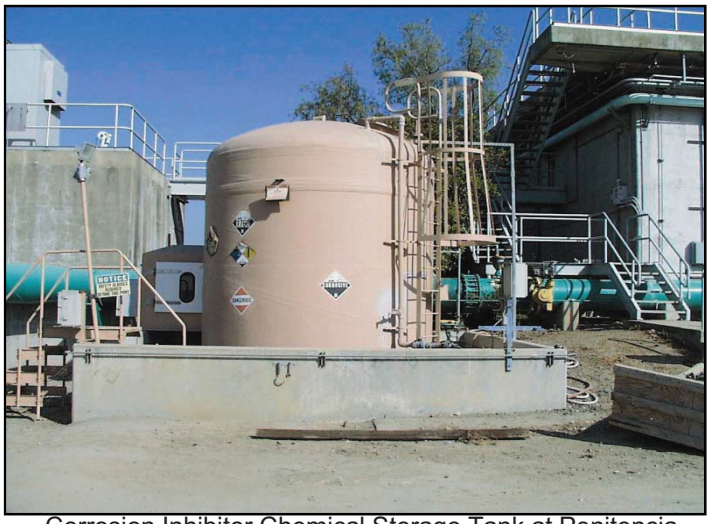
SCVWD Water Utility Enterprise Fund	1,701
Other Funding Source	0
Total	**1,701**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. This project will replace the existing backwash pump and motor with a new and more efficient pump and motor. Future operational cost savings are not expected to be significant.

USEFUL LIFE: 40 Years

Project	**PWTP Chemical Systems Upgrade**
Program	Water Supply – Treatment
Priority No.	52
Project No.	93234032
District Contact	Michael Hamer mhamer@valleywater.org



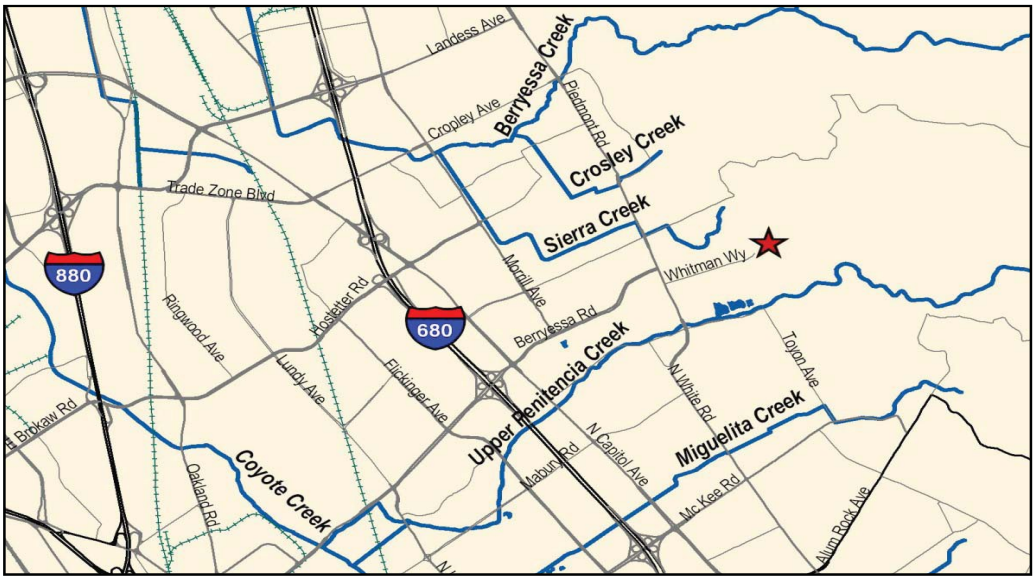
Corrosion Inhibitor Chemical Storage Tank at Penitencia Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) chemical systems to accomplish the following objectives:

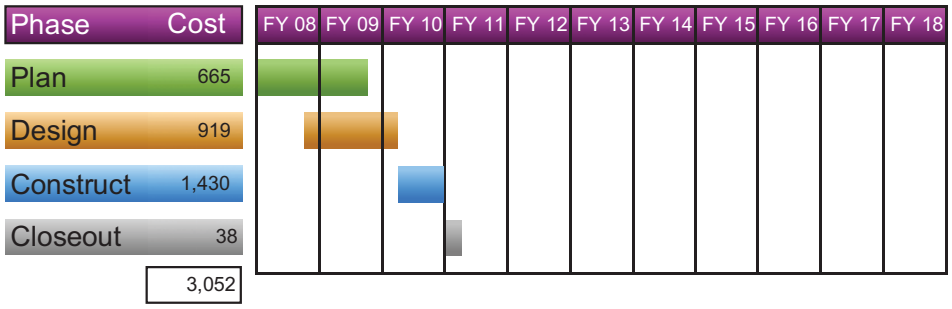
- Minimize zinc orthophosphate system breakdowns, thus improving operational redundancy and reliability.
- Provide a reliable corrosion control storage and feed system that will reduce the risk of chemical feed loss.
- Prevent contaminated waters from re-entering the plant process systems.

PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to September 2010



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Chemical Systems Upgrade	289	435	721	1,587	20	0	0	0	3,052
with inflation	289	435	721	1,914	23	0	0	0	3,382

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Chemical Systems Upgrade	506	218	0	721	1,914	23	0	0	0	3,382

Adjusted Budget includes adopted budget plus a planned budget adjustment of $94,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,382
Other Funding Source	0
Total	**3,382**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2011, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Cooling Water Pump Modifications**
Program	Water Supply – Treatment
Priority No.	34
Project No.	93C40276
District Contact	Michael Hamer mhamer@valleywater.org



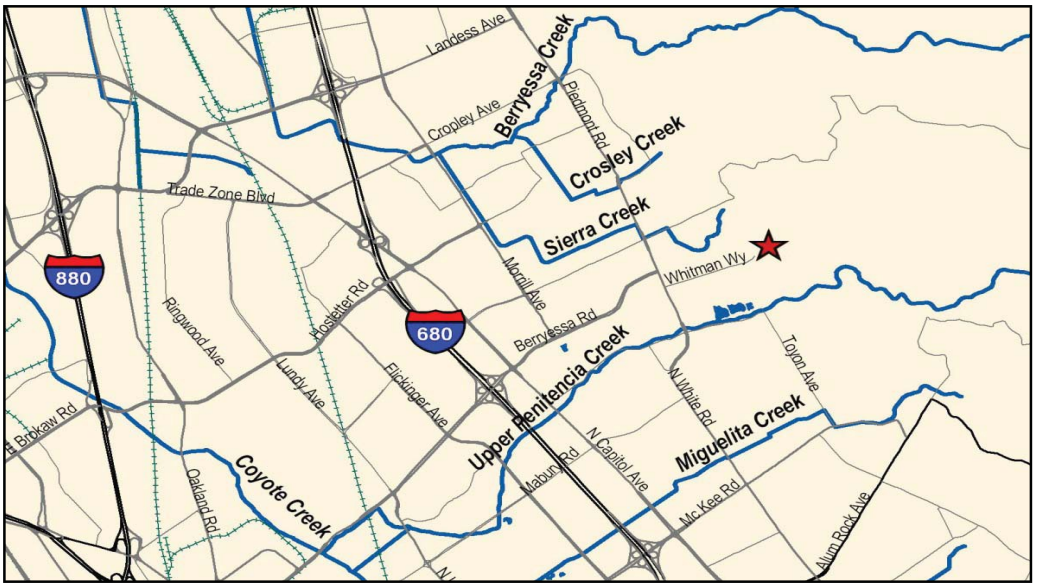
Cooling water pumps at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Penitencia Water Treatment Plant (PWTP) cooling water pumps to accomplish the following objectives:

- Improve operational efficiency by restoring intended pump capacity.
- Reduce operational (energy) costs.
- Restore intended automated operation of the ozone cooling system.

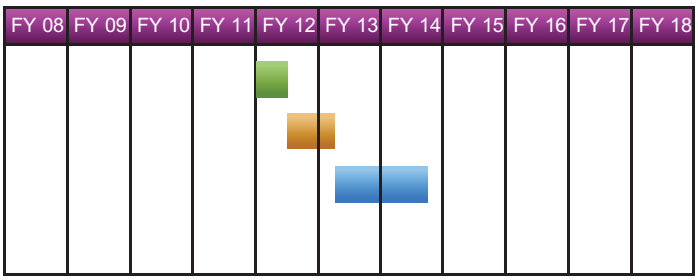
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2014

Phase	Cost
Plan	191
Design	350
Construct	978
Closeout	60
	1,579



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Cooling Water Pump Modifications	0	0	0	0	0	441	1,072	66	1,579
with inflation	0	0	0	0	0	520	1,511	84	2,116

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Cooling Water Pump Modifications	0	0	0	0	0	0	520	1,511	84	2,116

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,116
Other Funding Source	0
Total	**2,116**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35 Years

Project	**PWTP Filter Basin Covers Improvement**
Program	Water Supply – Treatment
Priority No.	31
Project No.	93C40277
District Contact	Michael Hamer mhamer@valleywater.org



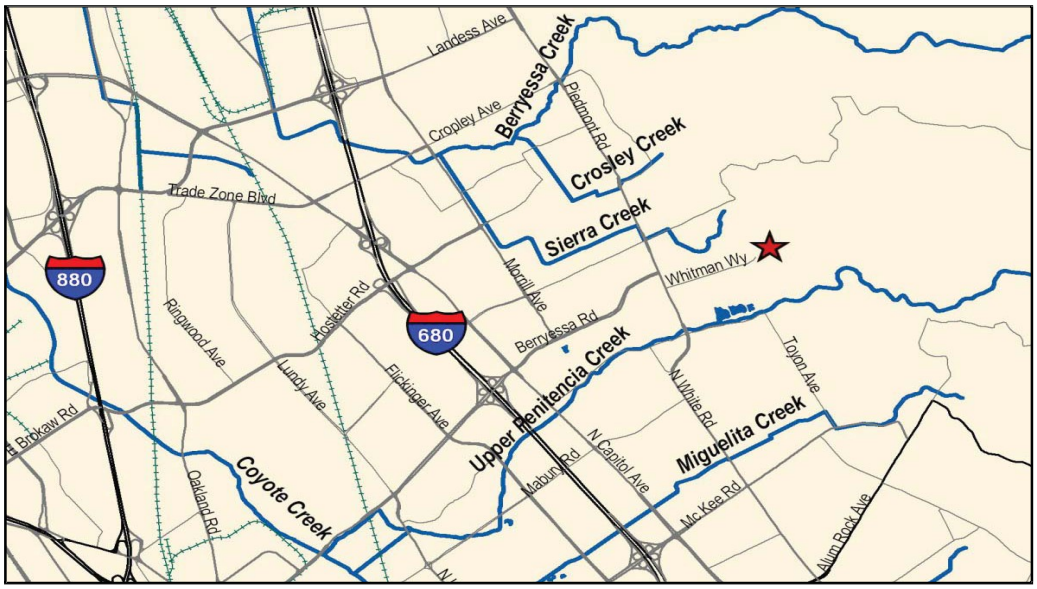
Existing filter basins at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the Penitencia Water Treatment Plant (PWTP) filter basins to accomplish the following objectives:

- Reduce algae growth by creating a physical barrier to block the sunlight that algae require to grow.
- Reduce potential for clogging of the filter basins
- HMA

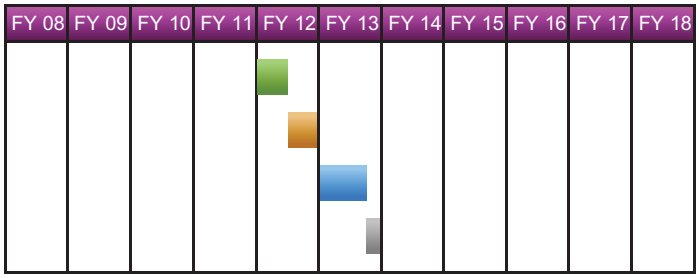
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2013

Phase	Cost
Plan	148
Design	213
Construct	455
Closeout	50
	866



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Filter Basin Covers Improvement	0	0	0	0	0	333	533	0	866
with inflation	0	0	0	0	0	393	737	0	1,130

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Filter Basin Covers Improvement	0	0	0	0	0	0	393	737	0	1,130

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,130
Other Funding Source	0
Total	**1,130**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 to 20 Years

Project	**PWTP Improvement, Stage 2**
Program	Water Supply – Treatment
Priority No.	80
Project No.	93234028
District Contact	Michael Hamer mhamer@valleywater.org



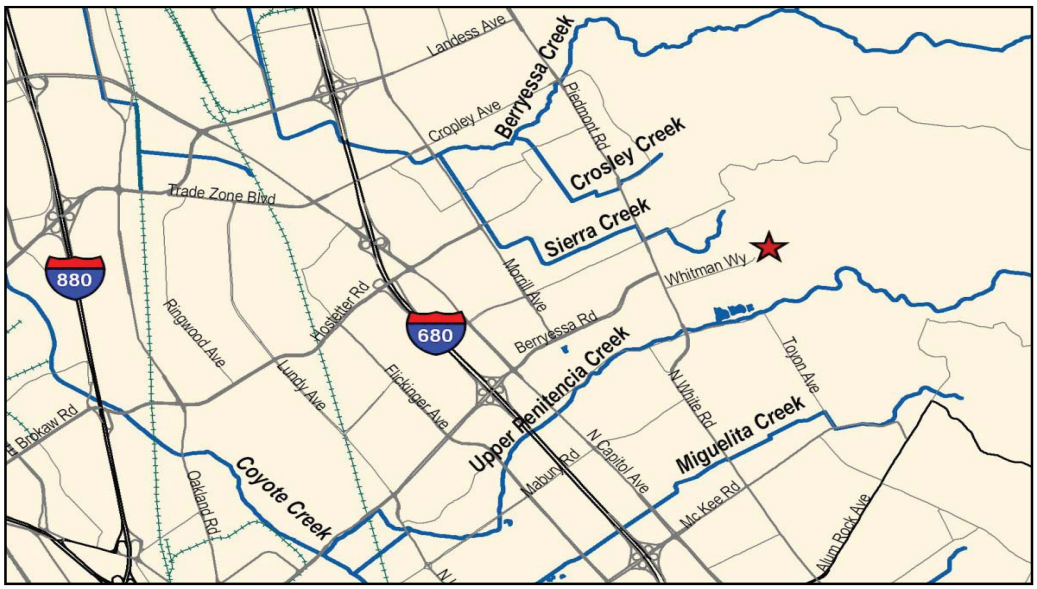
Ozone gas is produced in the ozone generation building and is bubbled through the water in the concrete contactor structure to provide primary drinking water disinfection.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Improve treated water quality and ensure all applicable water quality regulations are met or exceeded.
- Improve the reliability of Penitencia Water Treatment Plant by upgrading existing facilities to meet current seismic and landslide standards.

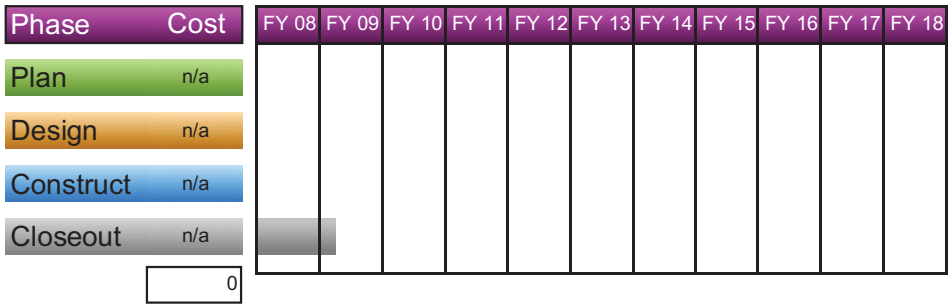
PROJECT LOCATION



SCHEDULE & STATUS

July 1998 to September 2008

Planning phase is complete.
Design phase is complete.
Construction is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Improvement, Stage 2	68,700	567	15	0	0	0	0	0	69,282
with inflation	68,700	567	16	0	0	0	0	0	69,283

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Improvement, Stage 2	69,056	286	75	0	0	0	0	0	0	69,342

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceed planned expenditures by approximately $59,000. Excess funding will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	69,342
Other Funding Source	0
Total	**69,342**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $691,000 per year, beginning in FY 2009. Increases are primarily due to the cost of power and liquid oxygen for the new ozone systems. Other increases include costs for supplemental chemicals and maintenance labor.

USEFUL LIFE: Mechanical Elements – 15+ Years; Structural Elements – 50+ Years

Project	**PWTP Large Valve Automation**
Program	Water Supply – Treatment
Priority No.	38
Project No.	93C40278
District Contact	Michael Hamer mhamer@valleywater.org



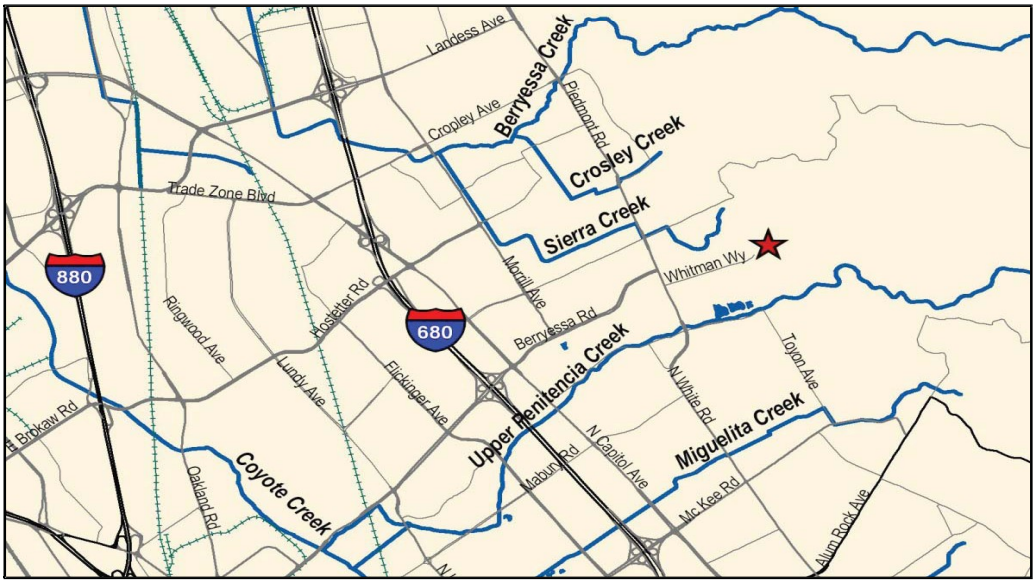
Locally controlled large motor operated valves at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the large valves at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Reduce operational and water quality risks.
- Improve operational flexibility of the large valves at PWTP.
- Improve ability to expedite plant shutdown.

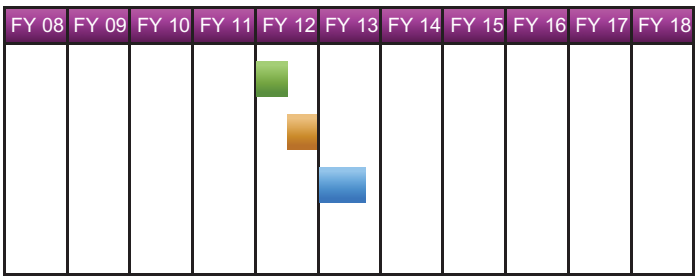
PROJECT LOCATION



SCHEDULE & STATUS

July 2011 to June 2013

Phase	Cost
Plan	106
Design	173
Construct	498
Closeout	23
	800



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Large Valve Automation	0	0	0	0	0	675	125	0	800
with inflation	0	0	0	0	0	884	154	0	1,037

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Large Valve Automation	0	0	0	0	0	0	884	154	0	1,037

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,037
Other Funding Source	0
Total	**1,037**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35-40 Years

Project	**PWTP Maintenance Building**
Program	Water Supply – Treatment
Priority No.	78
Project No.	93234031
District Contact	Michael Hamer mhamer@valleywater.org

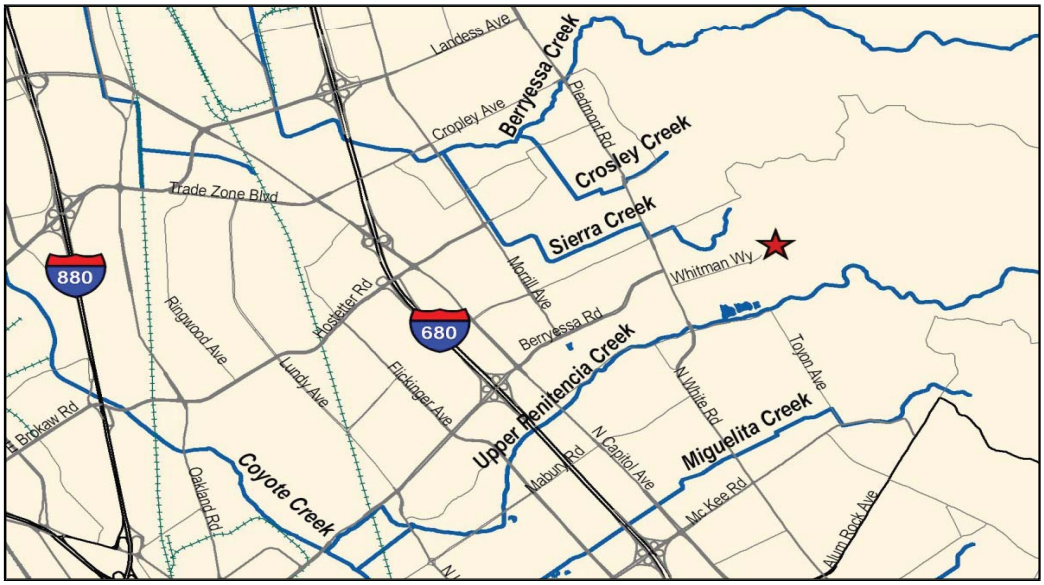


Story poles depicting one of two maintenance buildings to be constructed at PWTP

PROJECT DESCRIPTION

This project plans, designs, and constructs a new maintenance building at Penitencia Water Treatment Plant to provide adequate workshop space and storage areas to meet the needs of the maintenance personnel at the plant.

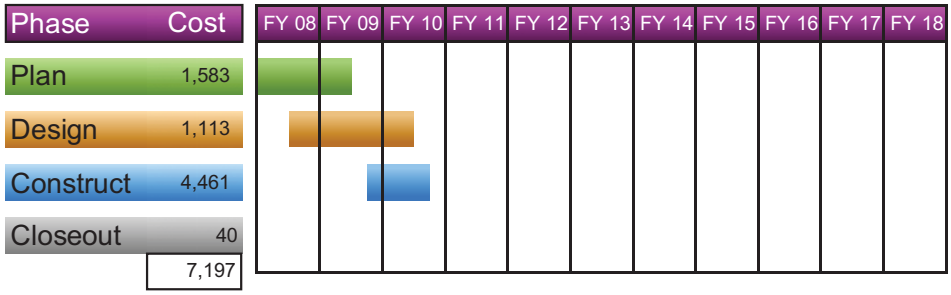
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

March 2000 to June 2010



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Maintenance Building	1,516	520	5,121	40	0	0	0	0	7,197
with inflation	1,516	520	5,121	43	0	0	0	0	7,200

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Maintenance Building	1,978	4,571	4,513	608	43	0	0	0	0	7,200

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	7,200
Other Funding Source	0
Total	**7,200**

OPERATING COST IMPACTS

Completion of the project is anticipated to increase operating expenditure by $15,000 per year, beginning in FY 2011. The cost of operation of the new building (water, power, etc.) is approximately $1,000 to $2,000 per month. Initially, maintenance costs should be very low.

USEFUL LIFE: 50+ Years

Project	**PWTP Standby Power Upgrade**
Program	Water Supply – Treatment
Priority No.	79
Project No.	93234033
District Contact	Michael Hamer mhamer@valleywater.org



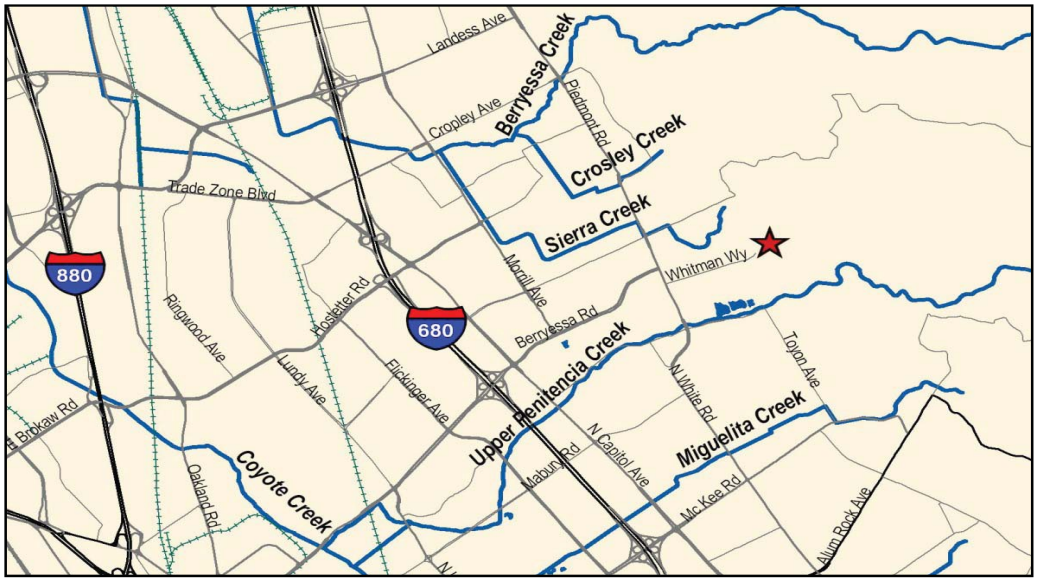
Existing adjustable speed drive (ASD) to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs a new backup generator at Penitencia Water Treatment Plant (PWTP) to accomplish the following objectives:

- Provide all necessary modification including replacement of the existing standby generator to provide reliable and adequate standby power during utility power loss.
- Meet all code requirements necessary to maintain adequate plant operations and assure reliable water delivery.

PROJECT LOCATION

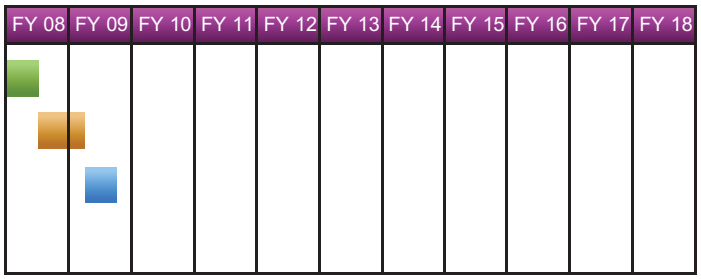


★ Project Location

SCHEDULE & STATUS

January 2003 to June 2009

Phase	Cost
Plan	546
Design	475
Construct	1,478
Closeout	69
	2,568



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Standby Power Upgrade	546	475	1,547	0	0	0	0	0	2,568
with inflation	546	475	1,547	0	0	0	0	0	2,568

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Standby Power Upgrade	2,336	0	1,315	232	0	0	0	0	0	2,568

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,568
Other Funding Source	0
Total	**2,568**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by $6,000 per year, beginning in FY 2010, for monthly inspection and testing, and annual service.

USEFUL LIFE: 15+ Years

Project	**PWTP Washwater Clarification Facility**
Program	Water Supply – Treatment
Priority No.	75
Project No.	93C40199
District Contact	Michael Hamer mhamer@valleywater.org



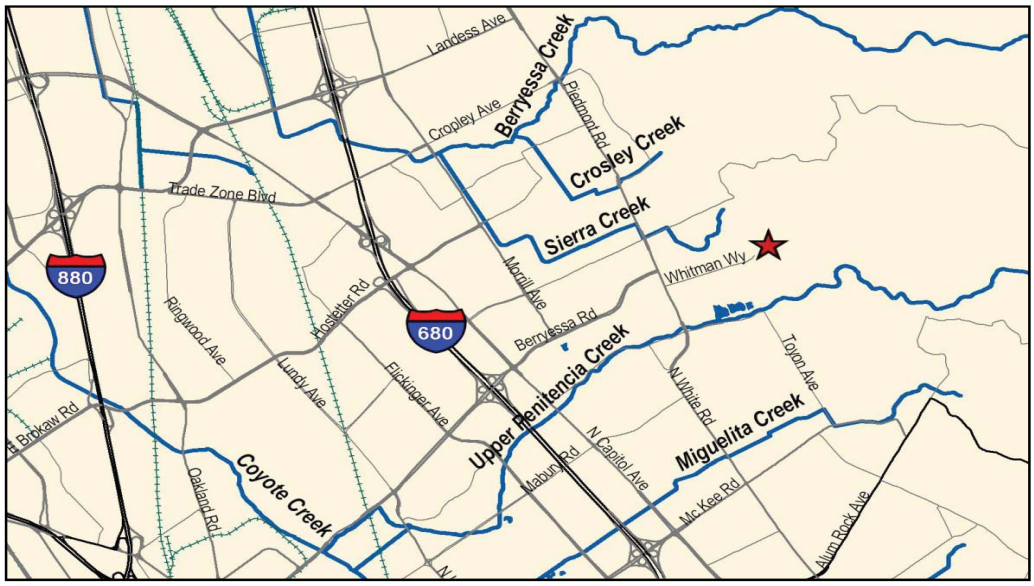
Potential site for new washwater clarification facility in foreground

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) that create a new washwater clarification facility to accomplish the following objectives:

- Improve treated water quality.
- Comply with the Federal Filter Backwash Recycling Rule (FBRR) and the California Cryptosporidium Action Plan

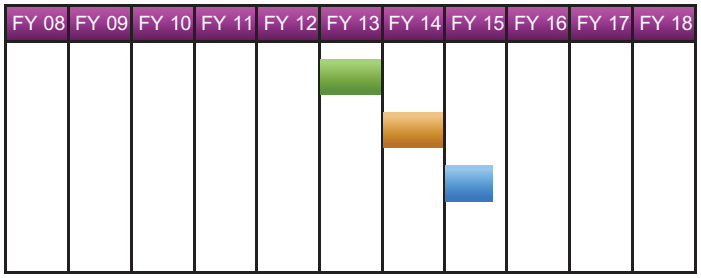
PROJECT LOCATION



SCHEDULE & STATUS

July 2012 to June 2015

Phase	Cost
Plan	415
Design	479
Construct	4,574
Closeout	22
	5,490



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Washwater Clarification Facility	0	0	0	0	0	0	415	5,075	5,490
with inflation	0	0	0	0	0	0	510	7,967	8,477

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Washwater Clarification Facility	0	0	0	0	0	0	0	510	7,967	8,477

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	8,477
Other Funding Source	0
Total	**8,477**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $50,000 per year beginning in FY 2016, for routine inspections and preventative and maintenance of the new facility.

USEFUL LIFE: Small Pumps – 15 Years; Large Pumps – 35 Years; Chain & Flight System – 20 Years; Structural Elements – 50+ Years

Project	**PWTP Water Pump Modifications**
Program	Water Supply – Treatment
Priority No.	80
Project No.	93234042
District Contact	Michael Hamer mhamer@valleywater.org



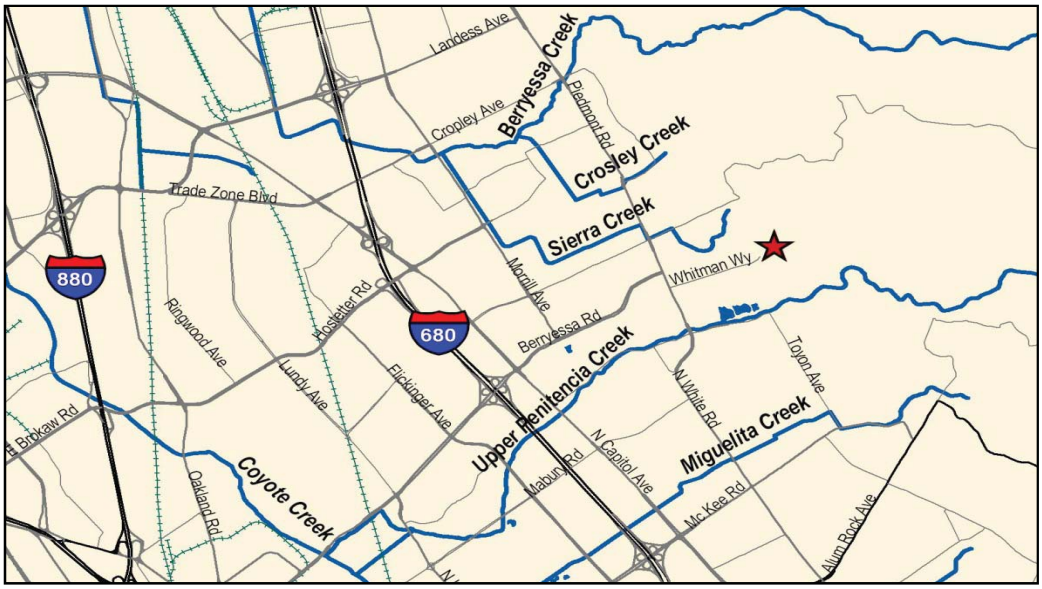
Two pumps supply water used at the Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Penitencia Water Treatment Plant (PWTP) pumps to accomplish the following objectives:

- Increase operating capacity of the plant water pumps.
- Meet plant water demands.
- Improve operational reliability.

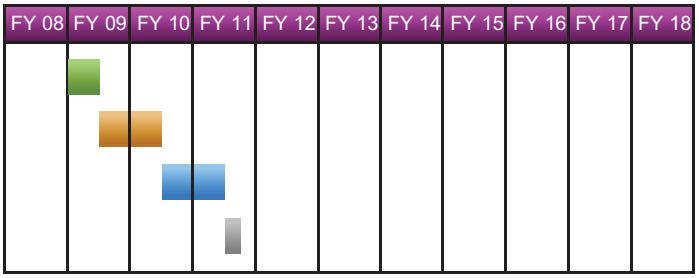
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to March 2011

Phase	Cost
Plan	222
Design	370
Construct	1,350
Closeout	60
	2,002



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Water Pump Modifications	0	0	162	1,703	137	0	0	0	2,002
with inflation	0	0	162	2,046	168	0	0	0	2,377

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PWTP Water Pump Modifications	0	0	0	162	2,046	168	0	0	0	2,377

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,377
Other Funding Source	0
Total	**2,377**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 30 Years

Project	**RWTP Chemical System Upgrade**
Program	Water Supply – Treatment
Priority No.	55
Project No.	93294029
District Contact	Michael Hamer mhamer@valleywater.org



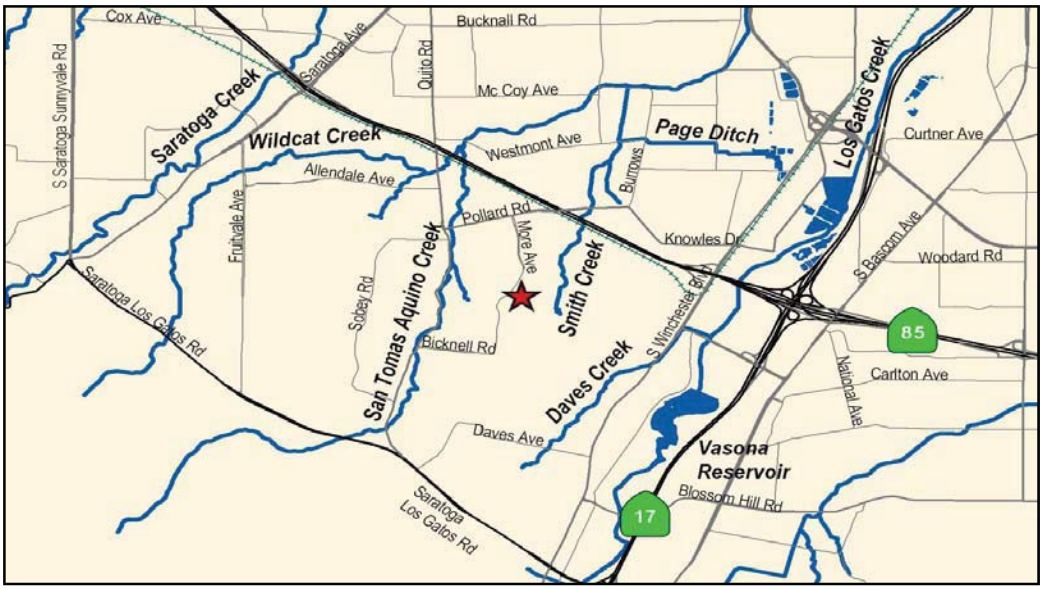
The existing corrosion inhibitor facility at RWTP will be upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to the phosphoric and caustic facilities, plant effluent flow meter, and backwash pump adjustable speed drive at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve plant reliability.
- Ensure compliance with the Lead and Copper Rule.
- Provide more accurate treated water billing information.

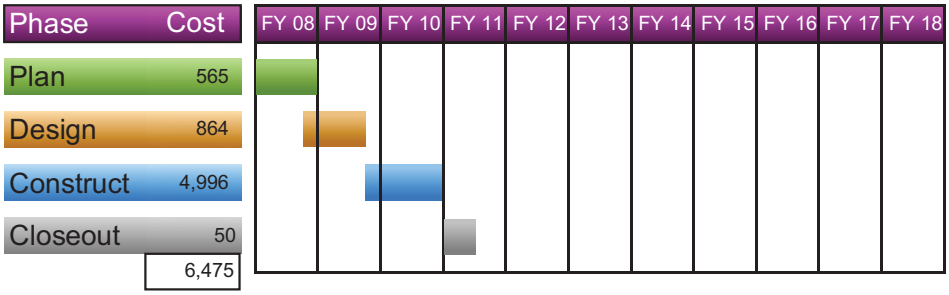
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

October 2002 to December 2010



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP Chemical System Upgrade	517	350	4,898	660	50	0	0	0	6,475
with inflation	517	350	4,898	717	57	0	0	0	6,538

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP Chemical System Upgrade	714	2,575	2,422	2,476	717	57	0	0	0	6,538

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,538
Other Funding Source	0
Total	**6,538**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Tanks – 20 Years. Flow Meter, Mechanical and Electrical Equipment – 15 Years.

Project	**RWTP FRP Chemical Storage Structure Seismic Upgrades**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93C40085
District Contact	Michael Hamer mhamer@valleywater.org

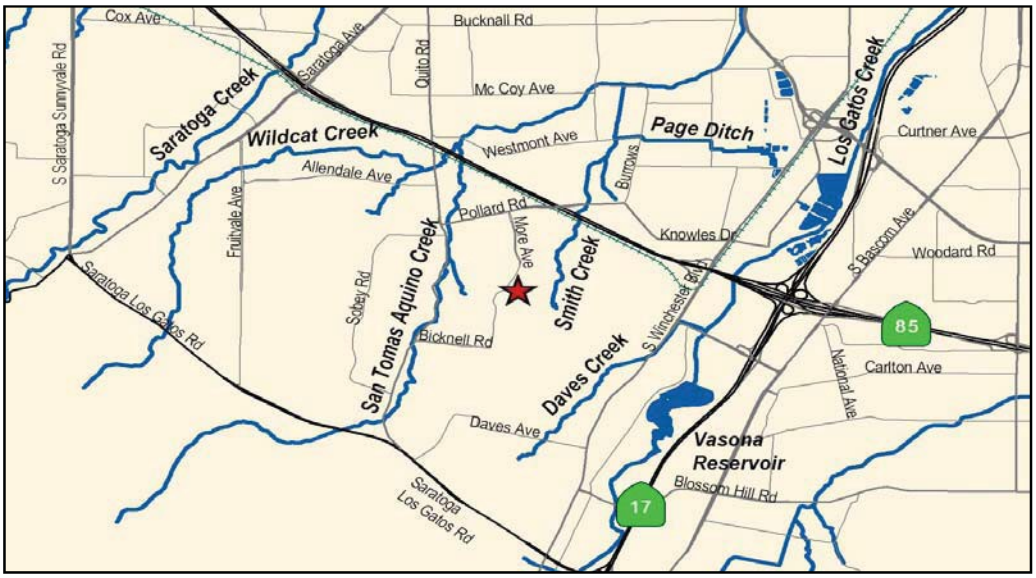


This structure, housing the chemical storage tanks at RWTP, will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) chemical storage structure, consistent with the Facility Renewal Program (FRP) to ensure plant operational reliability by improving seismic performance of the existing chemical storage structure.

PROJECT LOCATION

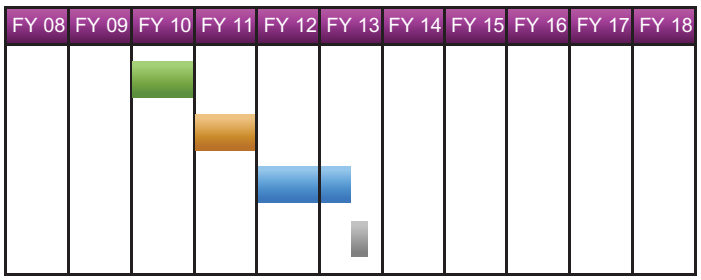


★ Project Location

SCHEDULE & STATUS

July 2009 to March 2013

Phase	Cost
Plan	380
Design	380
Construct	2,260
Closeout	70
	3,090



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Chemical Storage Structure Seismic Upgrades	0	0	0	380	2,200	340	170	0	3,090
with inflation	0	0	0	413	2,841	401	209	0	3,864

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Chemical Storage Structure Seismic Upgrades	0	0	0	0	413	2,841	401	209	0	3,864

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,864
Other Funding Source	0
Total	**3,864**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: 40 Years

Project	**RWTP FRP Clarification System Improvement**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93294050
District Contact	Michael Hamer mhamer@valleywater.org



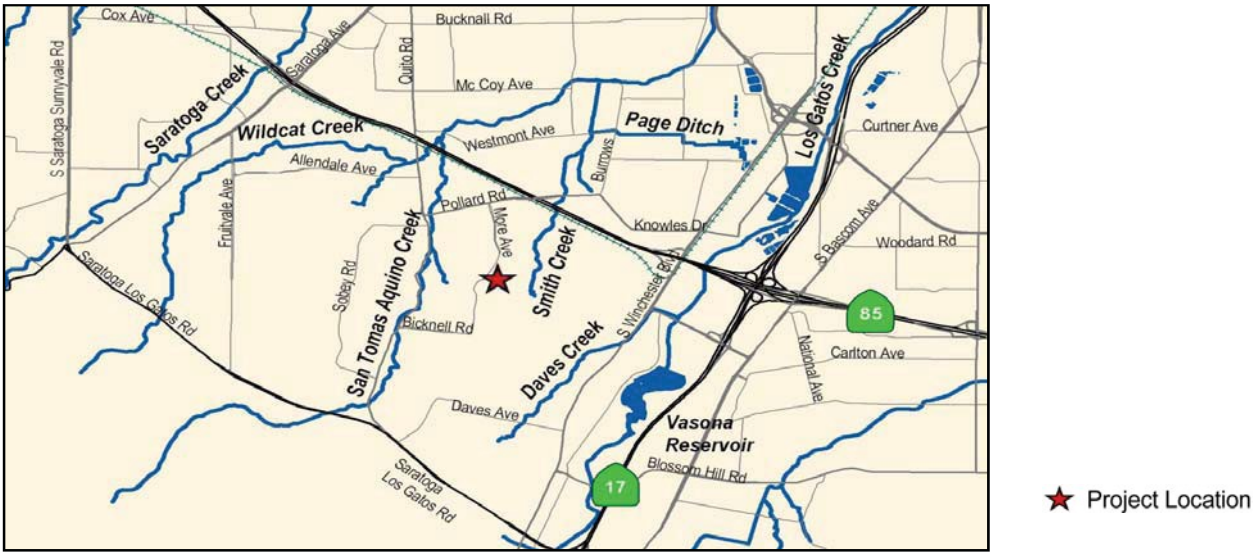
The existing clarifier mechanism will be replaced to improve operational reliability.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) in accordance with the Facility Renewal Program (FRP) to replace the 40-year-old clarification equipment, which is overdue for complete overhaul and replacement, to accomplish the following objectives:

- Extend the useful life of the water treatment plant.
- Increase reliability.

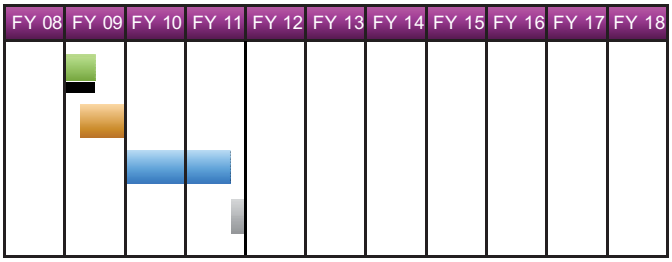
PROJECT LOCATION



SCHEDULE & STATUS

July 2008 to June 2011

Phase	Cost
Plan	340
Design	1,160
Construct	14,368
Closeout	40
	15,908



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Clarification System Improvement	0	0	14,308	1,400	200	0	0	0	15,908
with inflation	0	0	14,308	1,520	226	0	0	0	16,054

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Clarification System Improvement	0	0	0	14,308	1,520	226	0	0	0	16,054

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	16,054
Other Funding Source	0
Total	**16,054**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP Clearwell and Site Improvement**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93C40271
District Contact	Michael Hamer mhamer@valleywater.org



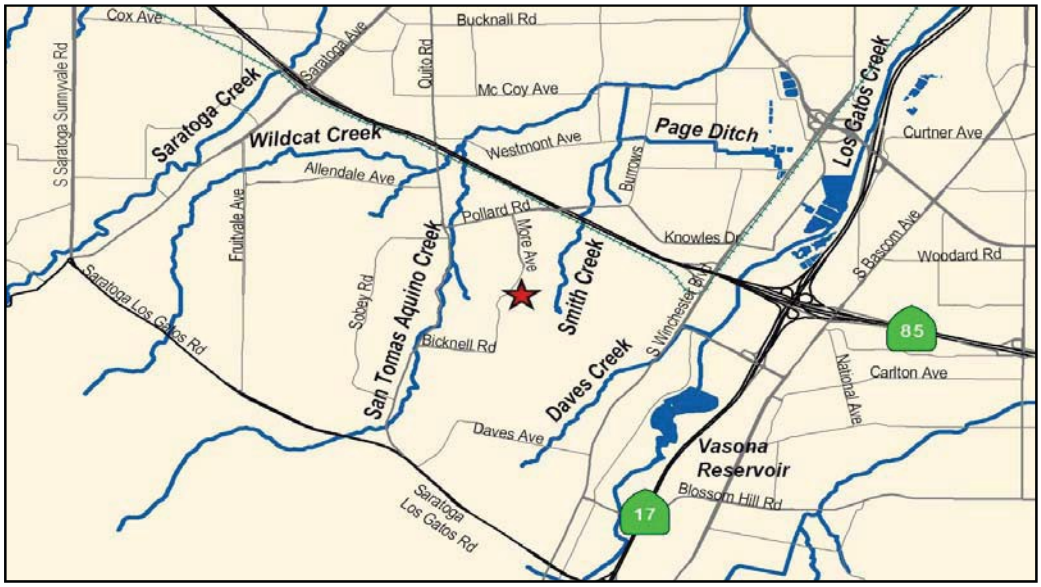
The clearwells at RWTP will be seismically upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) clearwells, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Improve the reliability of the RWTP by avoiding unplanned plant shutdown due to failures of the clearwells.
- Minimize adverse impacts from failed roadways.
- Satisfy security requirements for the main gates.

PROJECT LOCATION

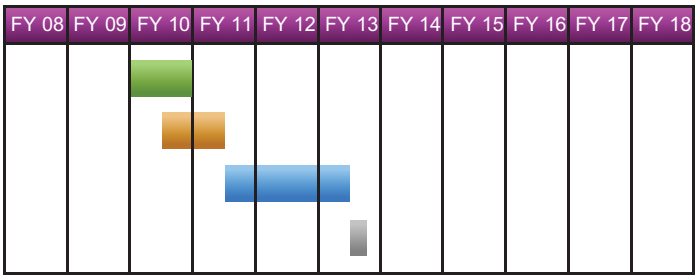


★ Project Location

SCHEDULE & STATUS

July 2009 to March 2013

Phase	Cost
Plan	301
Design	1,290
Construct	5,629
Closeout	80
	7,300



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Clearwell and Site Improvement	0	0	0	900	5,200	900	300	0	7,300
with inflation	0	0	0	977	6,716	1,061	369	0	9,123

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Clearwell and Site Improvement	0	0	0	0	977	6,716	1,061	369	0	9,123

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,123
Other Funding Source	0
Total	**9,123**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Structures – 50 Years; Roadways & Gates – 30 Years

Project	**RWTP FRP Filtration System Improvement**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93C40268
District Contact	Michael Hamer mhamer@valleywater.org



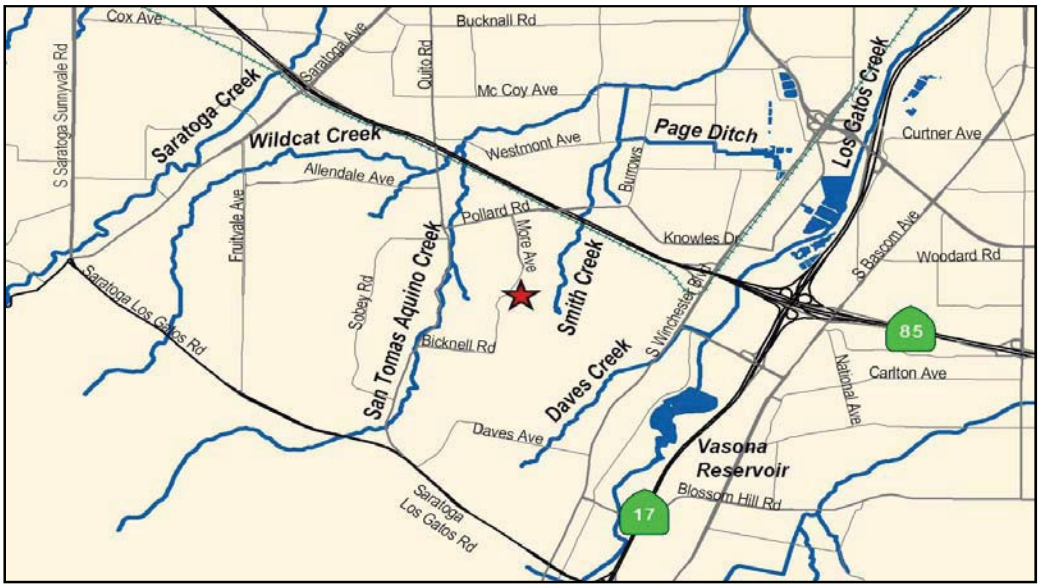
The filters at RWTP will undergo seismic upgrades and receive new filter media.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) filtration system, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Improve filter operation.
- Avoid water quality violation.

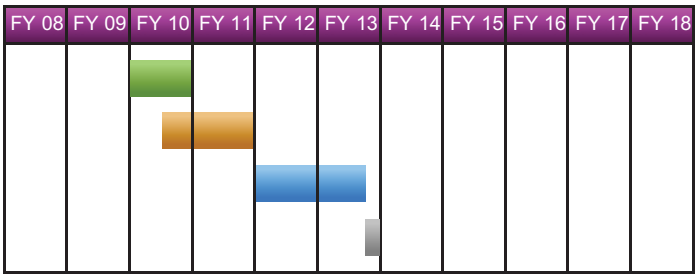
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2013

Phase	Cost
Plan	1,020
Design	800
Construct	6,050
Closeout	50
	7,920



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Filtration System Improvement	0	0	0	1,020	5,300	1,100	500	0	7,920
with inflation	0	0	0	1,107	6,868	1,297	614	0	9,886

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Filtration System Improvement	0	0	0	0	1,107	6,868	1,297	614	0	9,886

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,886
Other Funding Source	0
Total	**9,886**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Media – 20 Years; Valves – 35 Years

Project	**RWTP FRP Main Pump Valves Replacement**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93C40272
District Contact	Michael Hamer mhamer@valleywater.org



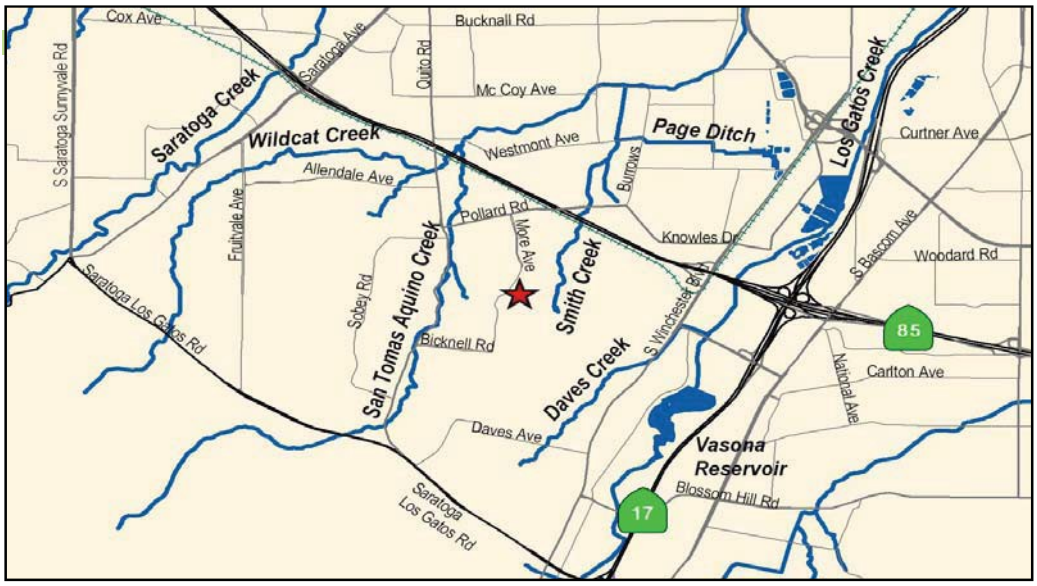
Valves and actuators for the main pumps at RWTP will be replaced.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) main pump system valves and actuators, consistent with the Facility Renewal Program (FRP) to accomplish the following

- Improve the ability to maintain RWTP.
- Provide more reliable and watertight isolation of these valves from future work areas.

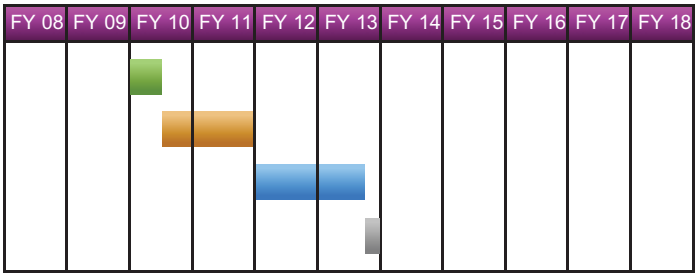
PROJECT LOCATION



SCHEDULE & STATUS

July 2009 to June 2013

Phase	Cost
Plan	135
Design	405
Construct	1,370
Closeout	30
	1,940



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Main Pump Valves Replacement	0	0	0	270	270	1,210	190	0	1,940
with inflation	0	0	0	293	305	1,663	233	0	2,495

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Main Pump Valves Replacement	0	0	0	0	293	305	1,663	233	0	2,495

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,495
Other Funding Source	0
Total	**2,495**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 35 Years

Project	**RWTP FRP Primary Electrical System Improvement**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93294054
District Contact	Michael Hamer mhamer@valleywater.org

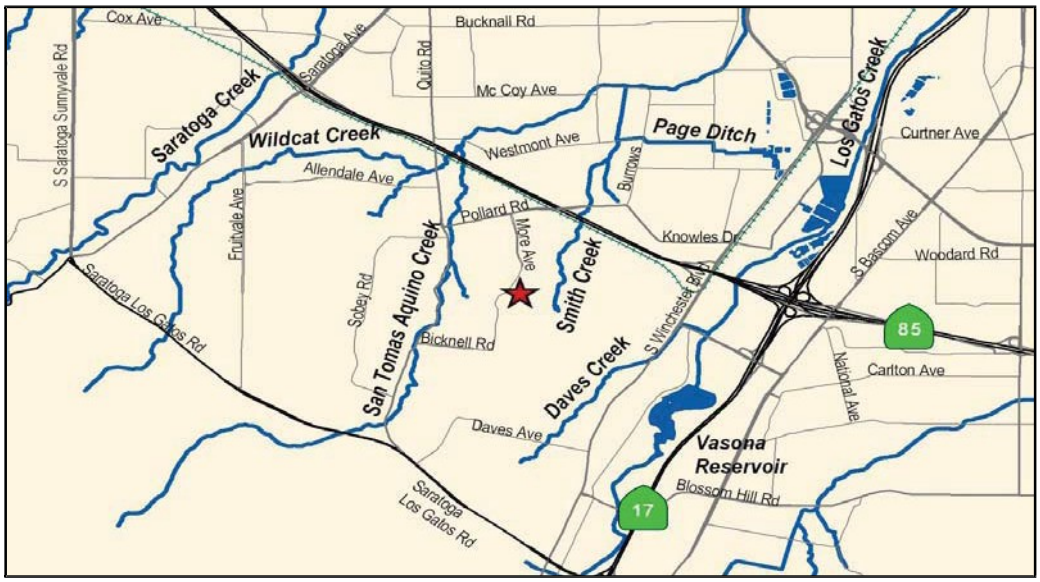


The RWTP's main electrical equipment will be replaced and upgraded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) primary electrical equipment; including main transformers, switches, breakers and electrical panels, pump system valves, and actuators; consistent with the Facility Renewal Program (FRP) to improve reliability by avoiding unplanned plant shutdown due to failures of the primary electrical equipment.

PROJECT LOCATION

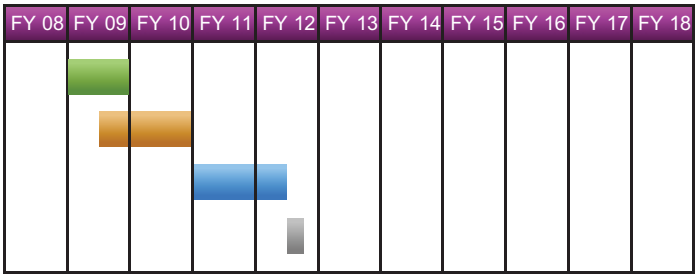


★ Project Location

SCHEDULE & STATUS

July 2008 to March 2012

Phase	Cost
Plan	290
Design	1,558
Construct	8,020
Closeout	90
	9,958



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Primary Electrical System Improvement	0	0	898	950	7,000	1,110	0	0	9,958
with inflation	0	0	898	1,031	9,053	1,309	0	0	12,291

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Primary Electrical System Improvement	0	0	0	898	1,031	9,053	1,309	0	0	12,291

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	12,291
Other Funding Source	0
Total	**12,291**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 15 Years

Project	**RWTP FRP SCADA Room Retrofit**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93294053
District Contact	Michael Hamer mhamer@valleywater.org



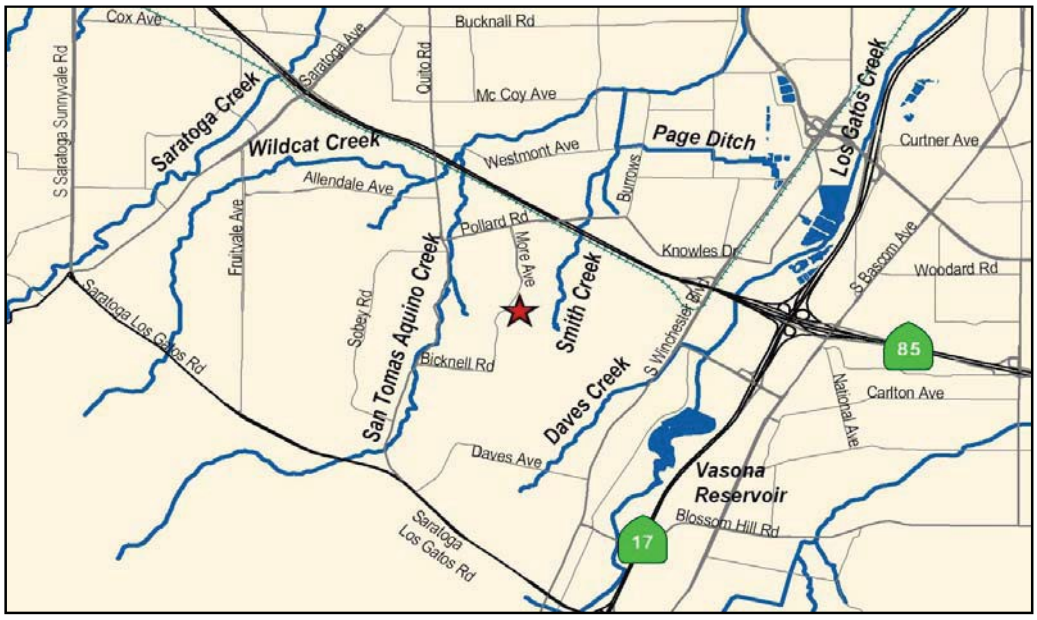
The RWTP SCADA room will be seismically retrofitted to prevent failure after a seismic event.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) Supervisory Control and Data Acquisition (SCADA) room, consistent with the Facility Renewal Program (FRP) and Portfolio 2 of the Infrastructure Reliability Project (IRP2) to accomplish the following objectives:

- Prevent failure of vital equipment after a seismic event.
- Improve SCADA system reliability.

PROJECT LOCATION

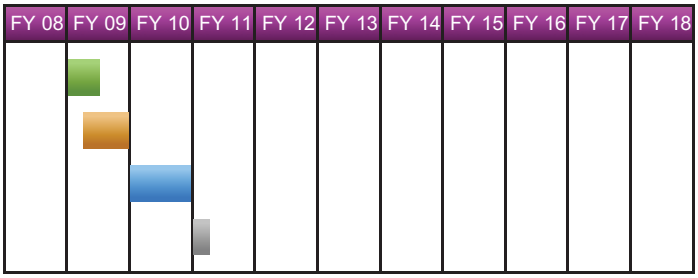


★ Project Location

SCHEDULE & STATUS

July 2008 to September 2010

Phase	Cost
Plan	32
Design	122
Construct	406
Closeout	15
	575



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP SCADA Room Retrofit	0	0	154	406	15	0	0	0	575
with inflation	0	0	154	488	17	0	0	0	659

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP SCADA Room Retrofit	0	0	0	154	488	17	0	0	0	659

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	659
Other Funding Source	0
Total	**659**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as it does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Heating, Ventillation and Air Conditioning – 15 Years; Uninterrupted Power Supply – 10 Years

Project	RWTP FRP Solids Handling System Improvement
Program	Water Supply – Treatment
Priority No.	95
Project No.	93294052
District Contact	Michael Hamer mhamer@valleywater.org



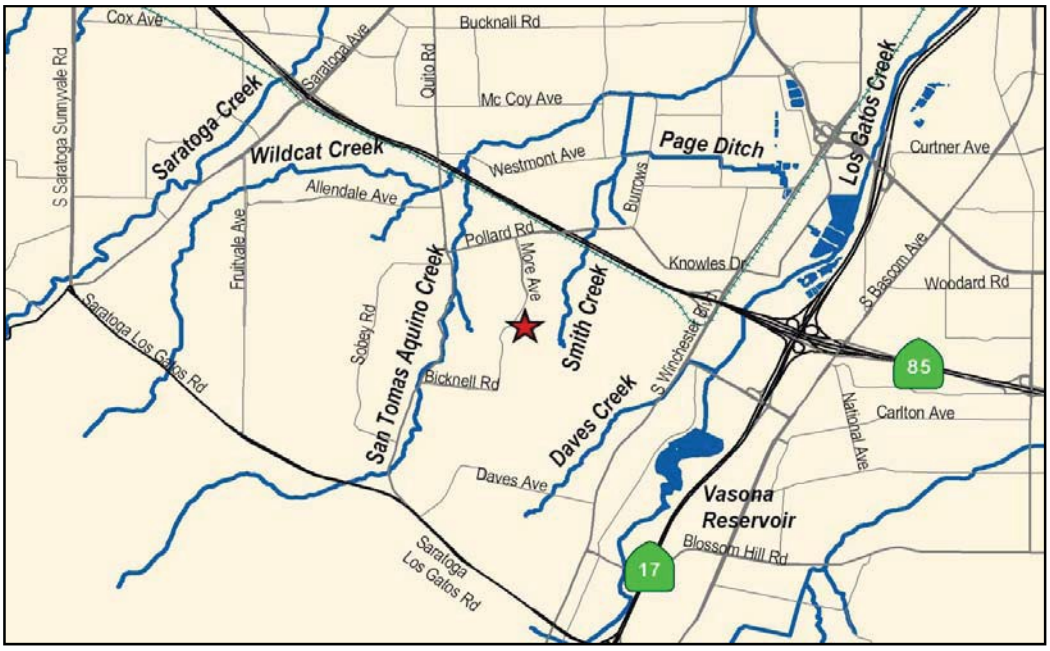
The sludge belt press equipment and structure will be replaced and retrofitted.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) solids handling facility, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Extend the useful life of the water treatment plant.
- Increase reliability.

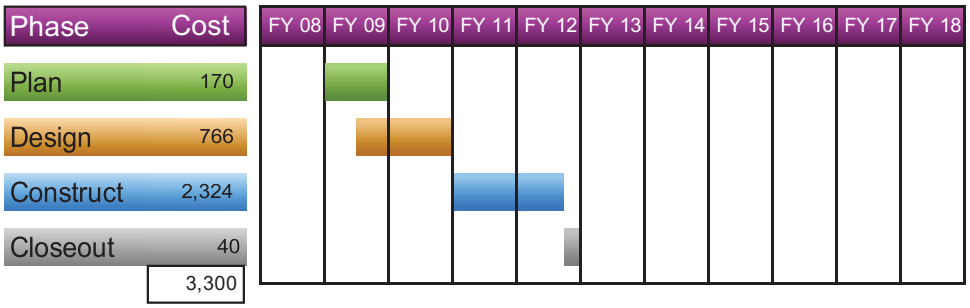
PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

July 2008 to June 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
RWTP FRP Solids Handling System Improvement	0	0	423	513	2,264	100	0	0	3,300
with inflation	0	0	423	557	2,898	118	0	0	3,996

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
RWTP FRP Solids Handling System Improvement	0	0	0	423	557	2,898	118	0	0	3,996

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,996
Other Funding Source	0
Total	3,996

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE:

Electrical Equipment – 10 Years; Mechanical Equipment & Paving – 15 Years

Project	**RWTP FRP Washwater Recovery System Improvement**
Program	Water Supply – Treatment
Priority No.	95
Project No.	93294051
District Contact	Michael Hamer mhamer@valleywater.org



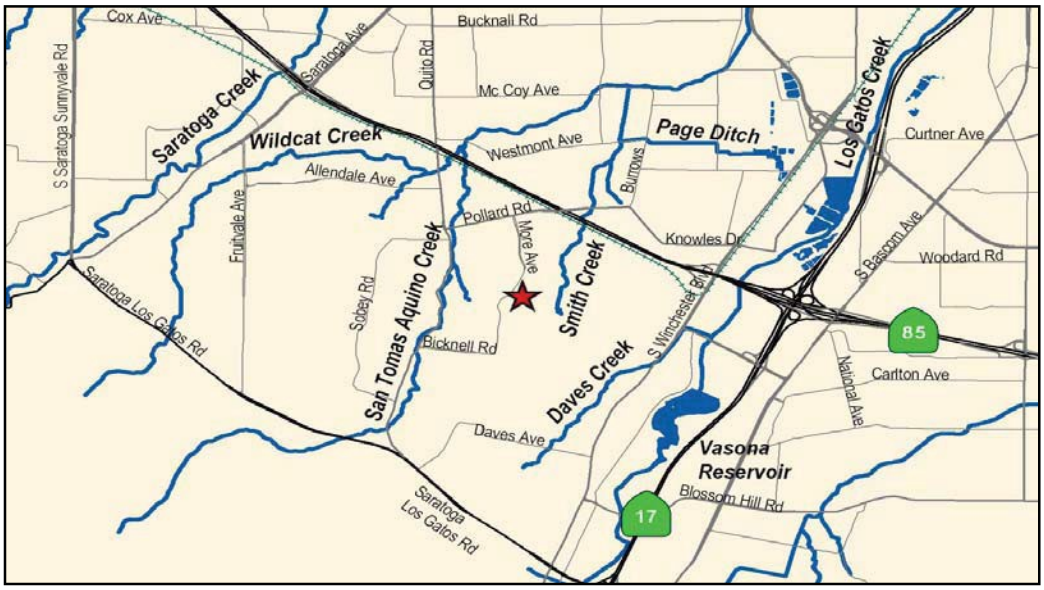
RWTP washwater recovery basins will be expanded.

PROJECT DESCRIPTION

This project plans, designs, and constructs modifications to the Rinconada Water Treatment Plant (RWTP) washwater recovery basins, recovery pumps, and associated equipment, consistent with the Facility Renewal Program (FRP) to accomplish the following objectives:

- Address potential overflows from the washwater recovery basins.
- Minimize risk of discharge violations.
- Improve the reliability of RWTP.

PROJECT LOCATION

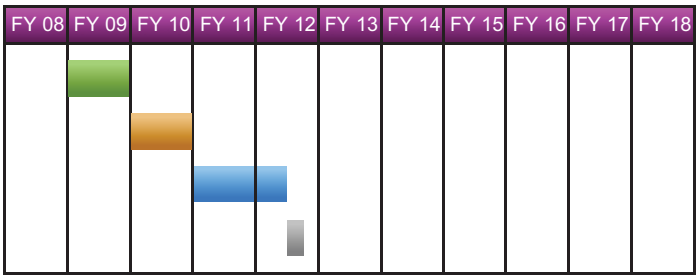


★ Project Location

SCHEDULE & STATUS

July 2008 to March 2012

Phase	Cost
Plan	256
Design	1,847
Construct	6,205
Closeout	75
	8,383



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Washwater Recovery System Improvement	0	0	1,073	1,030	5,825	455	0	0	8,383
with inflation	0	0	1,073	1,118	7,541	536	0	0	10,269

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP FRP Washwater Recovery System Improvement	0	0	0	1,073	1,118	7,541	536	0	0	10,269

FUNDING SOURCES

(in thousands $)

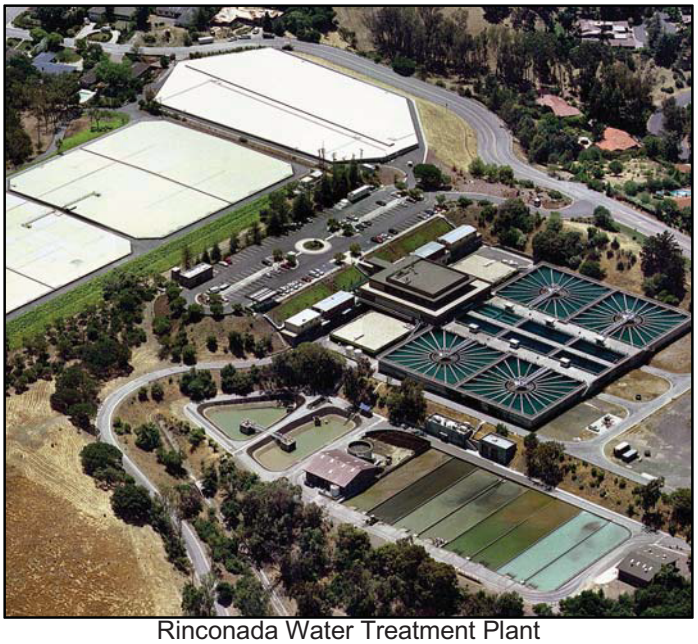
SCVWD Water Utility Enterprise Fund	10,269
Other Funding Source	0
Total	**10,269**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: Structures – 50 Years; Mechanical Equipment – 15 Years; Electrical Equipment – 10 Years

Project	**RWTP Reliability Improvement**
Program	Water Supply – Treatment
Priority No.	63
Project No.	93C40284
District Contact	Michael Hamer mhamer@valleywater.org



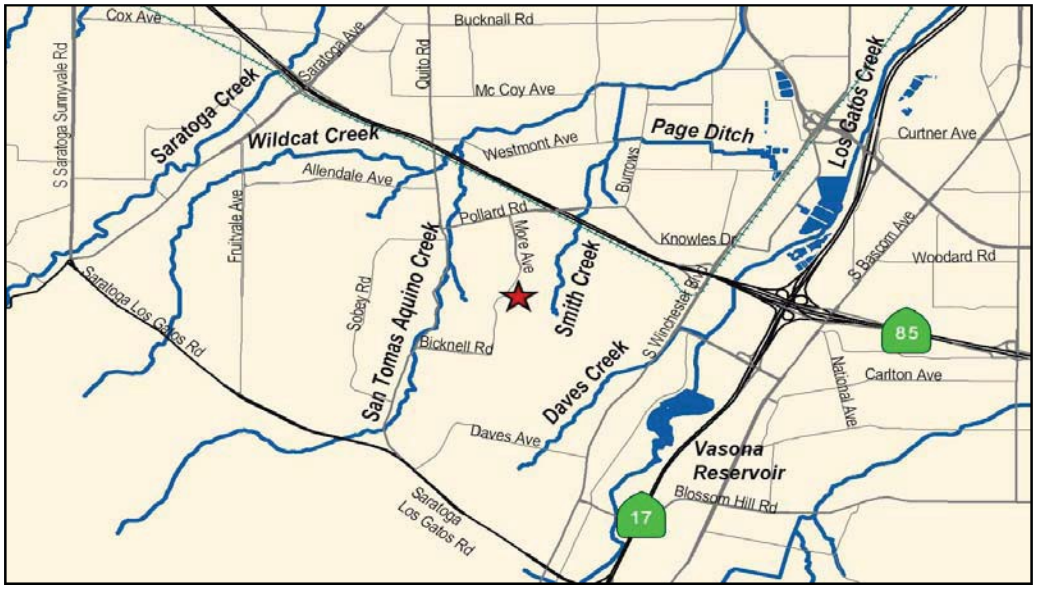
Rinconada Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP) to accomplish the following objectives:

- Improve service factors by increasing the plant capacity to 100 million gallons a day.
- Provide for taste and odor control improvement, reduction of filter loading by addition or modification of filters, and washwater clarification.

PROJECT LOCATION

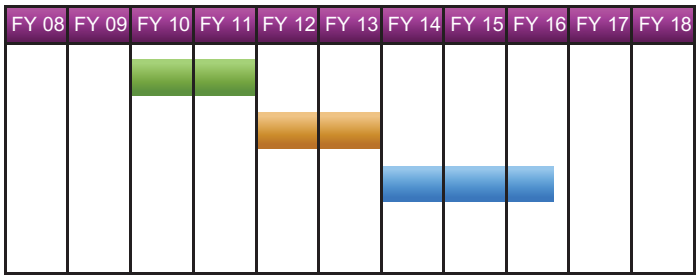


★ Project Location

SCHEDULE & STATUS

July 2009 to June 2016

Phase	Cost
Plan	3,500
Design	8,400
Construct	82,200
Closeout	200
	94,300



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP Reliability Improvement	0	0	0	2,000	1,500	4,600	3,800	82,400	94,300
with inflation	0	0	0	2,172	1,697	5,423	4,668	127,325	141,285

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP Reliability Improvement	0	0	0	0	2,172	1,697	5,423	4,668	127,325	141,285

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	141,285
Other Funding Source	0
Total	**141,285**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $1.4 million per year, beginning in FY 2016. Increases are for routine maintenance and operation of new equipment.

USEFUL LIFE: Media – 20 Years; Structures – 50 Years; Equipment – 15 Years

Project	**RWTP Valve Replacements**
Program	Water Supply – Treatment
Priority No.	49
Project No.	93294045
District Contact	Michael Hamer mhamer@valleywater.org

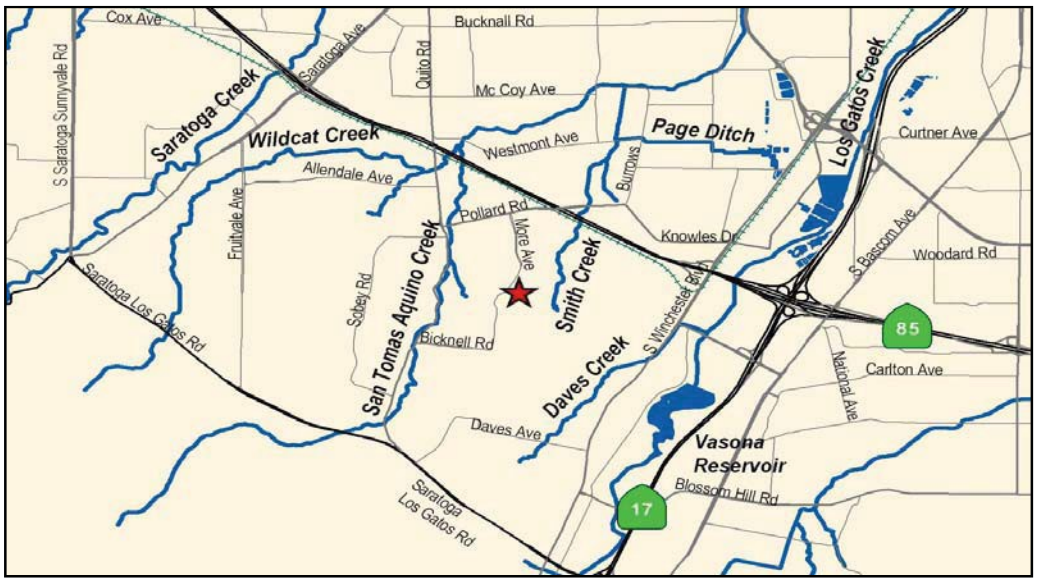


Existing filter gallery valve and actuator to be replaced

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Rinconada Water Treatment Plant (RWTP), including the replacement of valves and actuators and installation of new isolation valves to improve plant operational reliability and maintenance activities.

PROJECT LOCATION

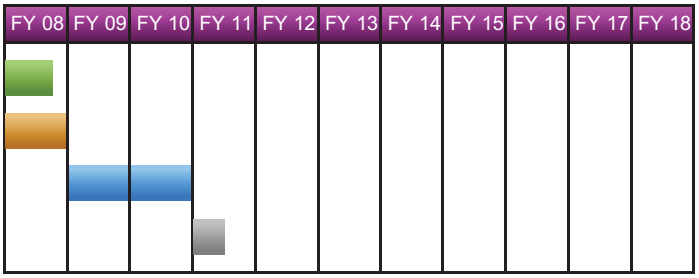


★ Project Location

SCHEDULE & STATUS

July 2007 to December 2010

Phase	Cost
Plan	140
Design	745
Construct	5,673
Closeout	50
	6,608



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP Valve Replacements	0	5,170	958	430	50	0	0	0	6,608
with inflation	0	5,170	958	467	57	0	0	0	6,651

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
RWTP Valve Replacements	0	5,170	0	958	467	57	0	0	0	6,651

Adjusted Budget includes adopted budget plus a planned budget adjustment of $323,000.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,651
Other Funding Source	0
Total	**6,651**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Valves – 30 Years. Actuators and Flow Meter – 20 Years.

Project	**STWTP Incompatible Materials**
Program	Water Supply – Treatment
Priority No.	54
Project No.	93284030
District Contact	Michael Hamer mhamer@valleywater.org

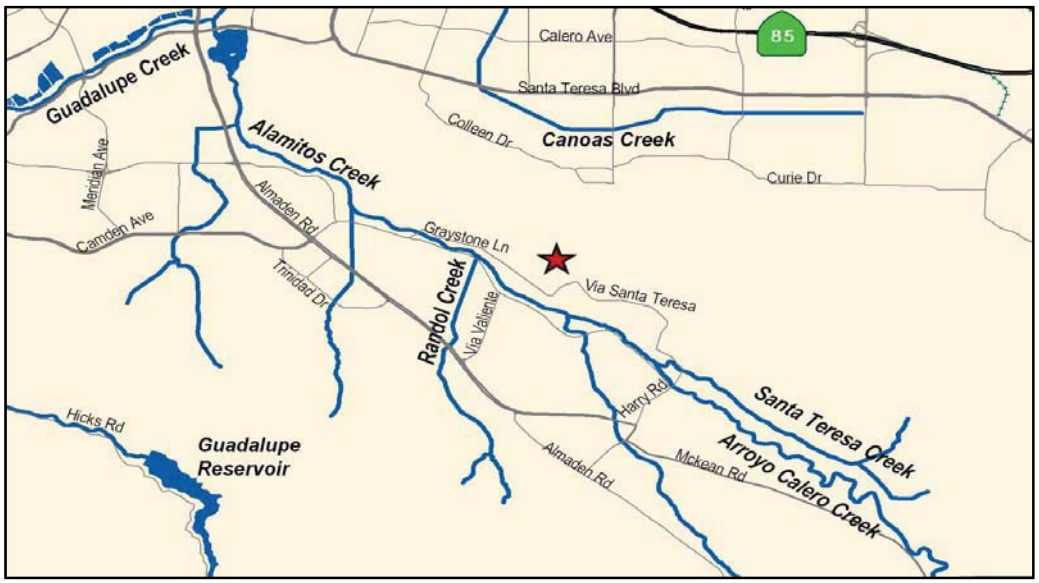


Incompatible chemical piping will be separated at the Santa Teresa Water Treatment Plant

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Santa Teresa Water Treatment Plant (STWTP) to separate incompatible chemicals in the chemical feed area, chemical trenches and storage facilities to meet Hazardous Material (HAZMAT) storage regulations.

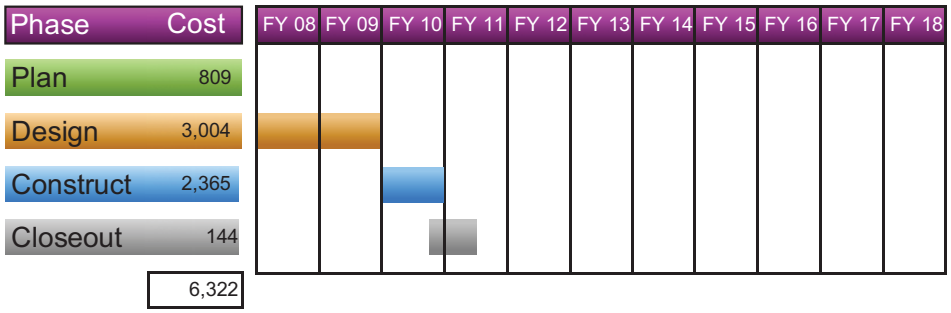
PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to November 2010

Planning Phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
STWTP Incompatible Materials	1,090	785	2,070	2,233	144	0	0	0	6,322
with inflation	1,090	785	2,070	2,743	163	0	0	0	6,851

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
STWTP Incompatible Materials	2,280	0	405	1,665	2,743	163	0	0	0	6,851

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	6,851
Other Funding Source	0
Total	**6,851**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $4,500 per year, beginning in FY 2011. This project primarily replaces existing equipment with similar new equipment and a net increase of four mixers, which will require additional preventive maintenance.

USEFUL LIFE: Mechanical Elements – 35+ Year; Structural Elements – 50+ Years

Project	**Water Protection**
Program	Water Supply – Treatment
Priority No.	58
Project No.	94084005
District Contact	Michael Hamer mhamer@valleywater.org



Security inspection of vehicles entering Penitencia Water Treatment Plant.

PROJECT DESCRIPTION

This project plans, designs, and constructs security modifications at the District's Water Utility facilities, in response to a security vulnerability assessment completed in 2003, to improve security and reduce terrorist threats to water service reliability.

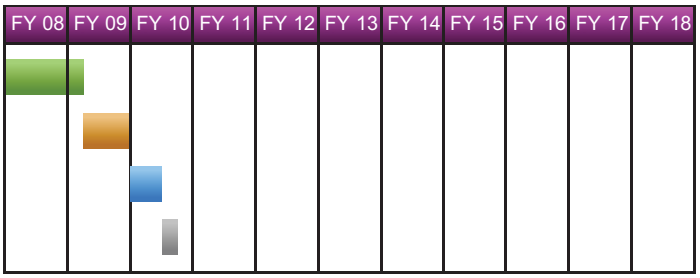
PROJECT LOCATION

This project will construct security improvements at the District's three water treatment plants and other Water Utility facilities. No project map is provided.

SCHEDULE & STATUS

June 2006 to February 2010

Phase	Cost
Plan	322
Design	2,047
Construct	5,468
Closeout	234
	8,071



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Water Protection	143	250	2,716	4,962	0	0	0	0	8,071
with inflation	143	250	2,716	5,960	0	0	0	0	9,069

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Water Protection	607	3,820	4,034	0	4,642	0	0	0	0	9,069

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

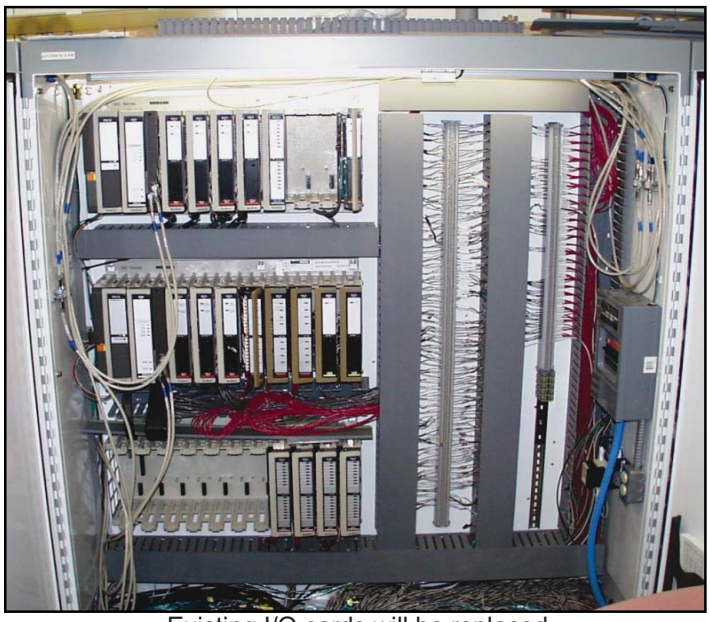
SCVWD Water Utility Enterprise Fund	9,069
Other Funding Source	0
Total	**9,069**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operations.

USEFUL LIFE: Not Available

Project	**Water Treatment Plants SCADA Upgrades**
Program	Water Supply – Treatment
Priority No.	48
Project No.	93084009
District Contact	Michael Hamer mhamer@valleywater.org

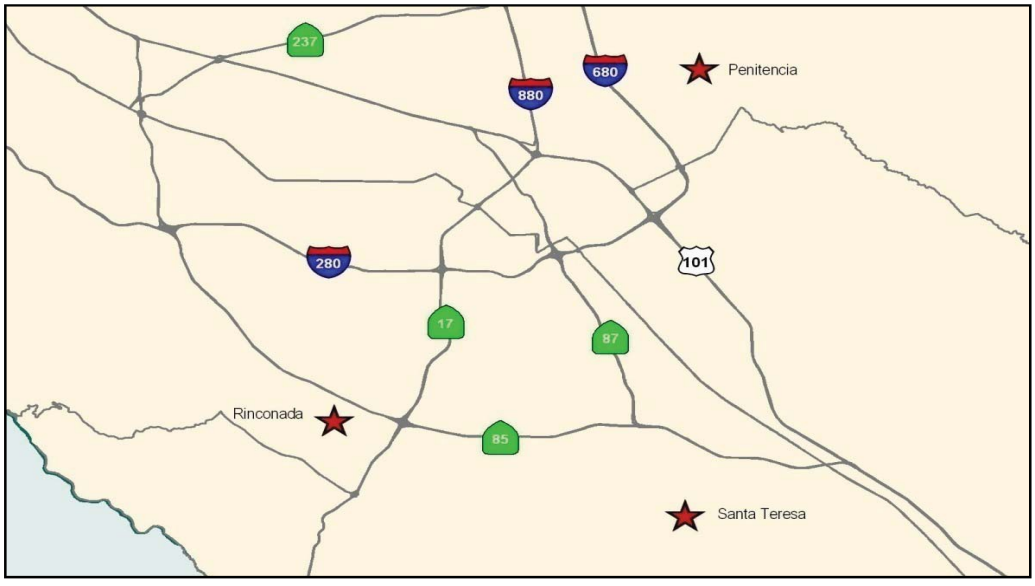


Existing I/O cards will be replaced.

PROJECT DESCRIPTION

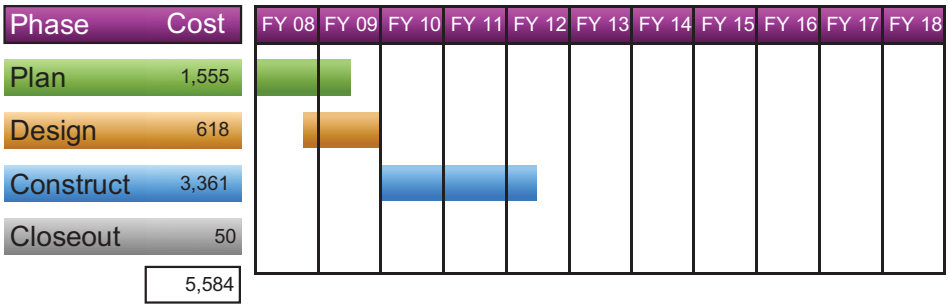
This project upgrades the Supervisory Control and Data Acquisition (SCADA) hardware and software and replaces trunk cables at the District's three water treatment plants to ensure operational reliability.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Water Treatment Plants SCADA Upgrades	1,360	300	2,604	950	250	120	0	0	5,584
with inflation	1,360	300	2,604	1,087	283	141	0	0	5,775

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Water Treatment Plants SCADA Upgrades	2,862	971	2,173	431	1,087	283	141	0	0	5,775

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,775
Other Funding Source	0
Total	**5,775**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs, as the project does not significantly alter the existing facilities or modes of operation.

USEFUL LIFE: 10+ Years



Recycled Water Facilities Project Pages

Project	Bay Area Regional Desalination, Mallard Slough Pilot Plant
Program	Water Supply – Recycled Water
Priority No.	4
Project No.	91084017
District Contact	Michael Hamer mhamer@valleywater.org



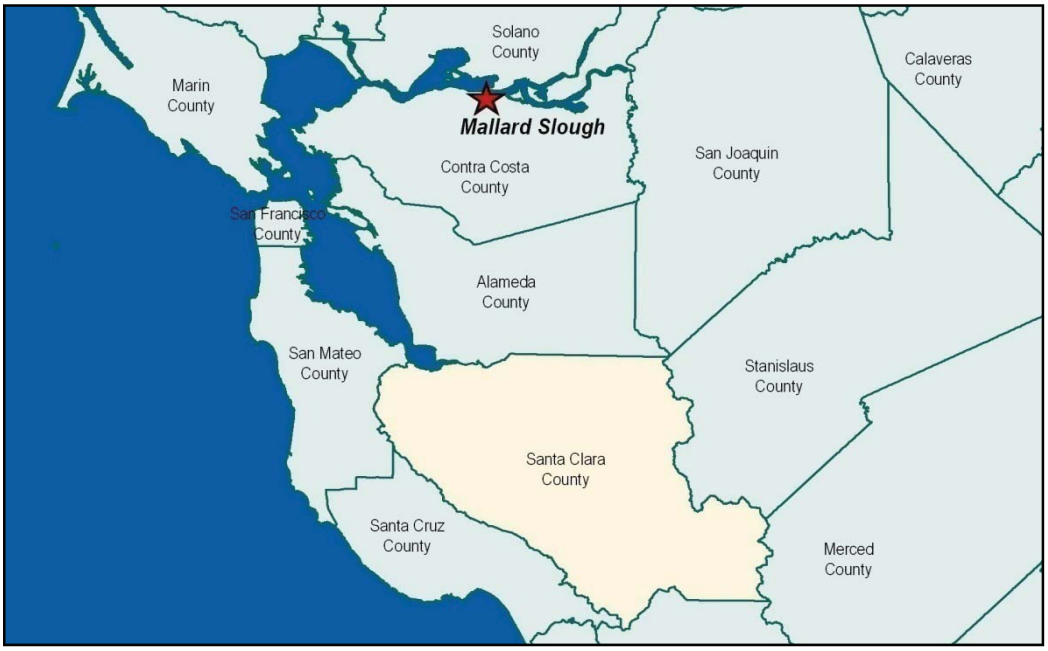
Mallard Slough Pump Station

PROJECT DESCRIPTION

This project plans, designs, constructs and operates a temporary desalination pilot facility, so that the District and partner agencies (East-Bay Municipal Utility District, San Francisco Public Utilities Commission, and Contra Costa Water District) obtain refined local data on micro-filtration and reverse osmosis using delta brackish water. The pilot also tests marine life exclusion systems. The Bay Area Regional Desalination Project will accomplish the following objectives:

- Provide additional sources of water during emergencies such as earthquakes or Delta levee failures.
- Provide a supplemental water supply source during extended droughts.
- Allow other major facilities such as treatment plants, water pipelines, and pump stations to be taken out of service for maintenance or repairs.
- Increase water supply reliability by providing supplemental water from a regional facility.

PROJECT LOCATION

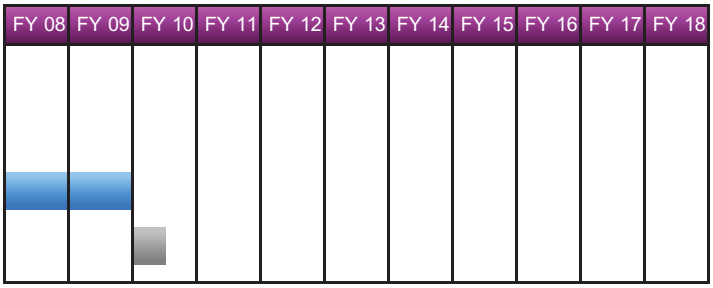


SCHEDULE & STATUS

January 2007 to December 2009

Planning, design and construction are all under one contract, held by EBMUD. Construction phase includes one year of pilot plant operation before closeout.

Phase	Cost
Plan	-
Design	-
Construct	260
Closeout	13
	273



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Bay Area Regional Desalination, Mallard Slough Pilot Plant	200	50	10	13	0	0	0	0	273
with inflation	200	50	10	14	0	0	0	0	275

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Bay Area Regional Desalination, Mallard Slough Pilot Plant	300	0	50	0	0	0	0	0	0	300

The total funding is $25,000 more than planned expenditures. The unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	#REF!
Other Funding Source	#REF!
Total	300
Local Partner–San Francisco Public Utilities Commission	258
Local Partner–East Bay Municipal Utility District	258
Local Partner–Contra Costa Water District	258
State Partner–Department of Water Resources	1,000

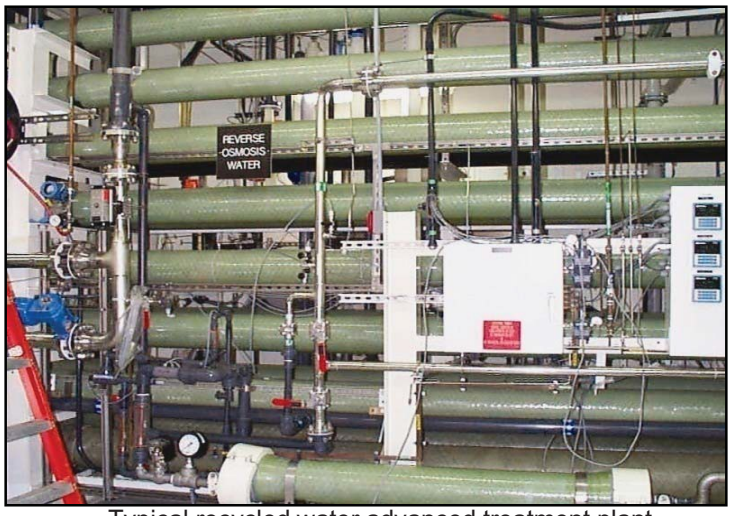
OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs because this is a pilot plant that will be used for data gathering purposes and then dismantled at the end of the project.

USEFUL LIFE:

Temporary Facility – Not Applicable

Project	Recycled Water Advanced Treatment Facility WPCP
Program	Water Supply – Recycled Water
Priority No.	32
Project No.	91184008
District Contact	Keith Whitman kwhitman@valleywater.org



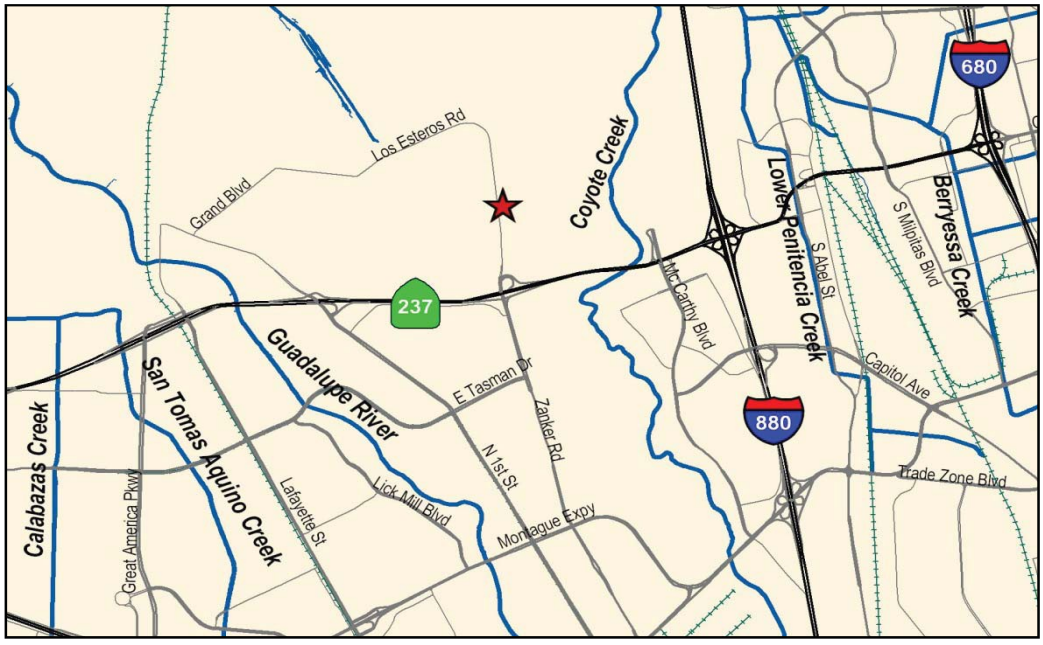
Typical recycled water advanced treatment plant

PROJECT DESCRIPTION

This project plans, designs, and constructs a 5- to 7-mgd (million-gallon-per-day) Recycled Water Advanced Treatment Facility within the footprint of the South Bay Water Recycling's Water Pollution Control Plant (WPCP) in San Jose, to accomplish the following objectives:

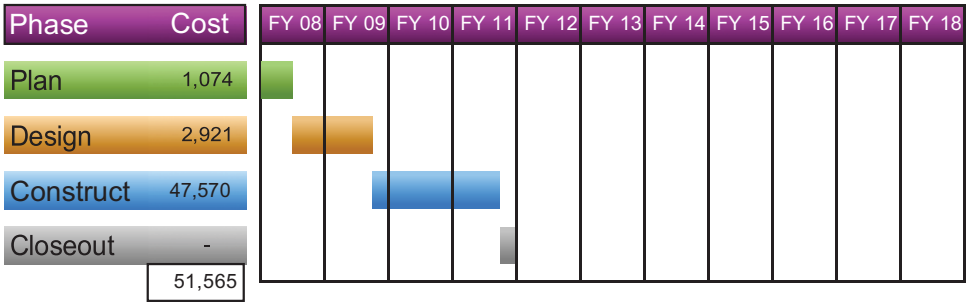
- Improve recycled water quality to enhance marketability.
- Increase the operational reliability and flexibility of recycled water.
- Retain existing customers who may have water quality (especially salinity) issues.
- Improve public acceptance of recycled water.
- Maximize water recycling alternatives.
- Reduce fresh water effluent discharges into San Francisco Bay to protect endangered species.
- Increase tertiary treatment capacity for the water pollution control plant.
- Preserve options for future groundwater recharge and reuse.

PROJECT LOCATION



SCHEDULE & STATUS

January 2004 to June 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Recycled Water Advanced Treatment Facility WPCP	2,968	1,027	31,570	10,000	6,000	0	0	0	51,565
with inflation	2,968	1,027	31,570	12,449	7,950	0	0	0	55,964

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Recycled Water Advanced Treatment Facility WPCP	3,095	900	0	31,570	12,449	7,950	0	0	0	55,964

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	28,464
City of San Jose	19,000
California Department of Water Resources	3,000
Corps of Engineers (WRDA 2007)	5,500
Total	55,964

OPERATING COST IMPACTS

The completion of this project is anticipated to increase the District's operating costs by approximately $1.75 million per year, beginning in FY 2011. The City of San Jose will also be responsible for contributing the same amount to cover total annual operations costs of approximately $3.5 million. Total cost includes labor, membranes replacement, energy, UV lamp replacement, chemicals, and other necessary items.

USEFUL LIFE: 20-30 Years

Project	Recycled Water South County Masterplan Implementation
Program	Water Supply – Recycled Water
Priority No.	12
Project No.	91094007s
District Contact	Keith Whitman kwhitman@valleywater.org



Recycled water purple pipeline waiting to be laid during construction of Immediate Term project.

PROJECT DESCRIPTION

This project plans, designs, and constructs water recycling systems based on the South County Recycled Water Master Plan report that the District and South County Regional Wastewater Authority (SCRWA) Boards accepted in December 2004 to operate and expand the South County Recycled Water System.

The Master Plan report presents a 20-year capital program for expanding water recycling in South County in three phases; Immediate Term, Short Term, and Long Term:

- Gilroy Pipelines (Immediate Term) includes design and construction of recycled water storage, pumping, and distribution facilities for agricultural use near the SCRWA treatment plant (91094007).
- Gilroy Pipelines and Reservoir (Short Term) constructs about 42,000 feet of 16- to 30-inch pipelines from the SCRWA treatment plant along Southside Drive and Luchessa Avenue to the Glen Loma development, and a 3-million-gallon storage reservoir (91094008).
- Gavilan, Hecker Pass, and Morgan Hill Scalping Plant (Long Term) consists of pipeline extensions of the Gilroy Sports Park to serve the Gavilan College area, additional distribution piping in the Hecker Pass area, a Morgan Hill scalping plant and 2-mgd expansion of the booster pump station (91C40219).

The project is funded for the immediate- and short-term phases only. The scope, schedule, costs, and funding sources for the long-term project will be determined pending Board consideration of alternatives for responding to financial constraints.

PROJECT LOCATION

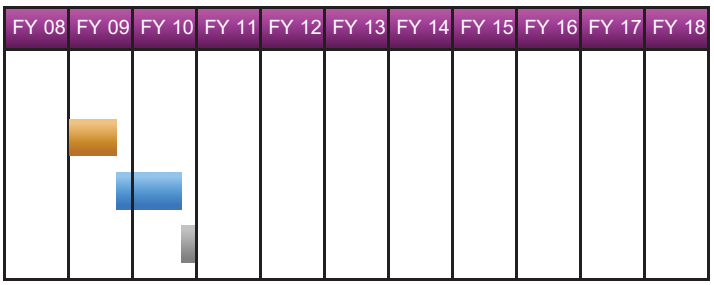
No map is provided.

PROJECT SCHEDULE

July 2005 to June 2010

The display shows the Short-Term project only. The Immediate Term project is complete. Planning was done in a separate project.

Phase	Cost
Plan	-
Design	2,687
Construct	9,446
Closeout	20
	12,153



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Recycled Water South County Masterplan - Immediate Term	3,278	0	0	0	0	0	0	0	3,278
with inflation	3,278	0	0	0	0	0	0	0	3,278
Recycled Water South County Masterplan - Short Term	0	0	3,775	5,100	0	0	0	0	8,875
with inflation	0	0	3,775	6,333	0	0	0	0	10,108
TOTAL	3,278	0	3,775	5,100	0	0	0	0	12,153
with inflation	3,278	0	3,775	6,333	0	0	0	0	13,386

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Recycled Water South County Masterplan - Immediate Term	3,278	0	0	0	0	0	0	0	0	3,278
Recycled Water South County Masterplan - Short Term	0	0	0	3,775	6,333	0	0	0	0	10,108
TOTAL	3,278	0	0	3,775	6,333	0	0	0	0	13,386

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	13,386
Other Funding Source	0
Total	13,386

OPERATING COST IMPACTS

Estimated District share of the operating and maintenance costs are $8,000 per year for the Immediate-Term phase, beginning in FY 2007 and an additional $20,000 for the Short-Term phase, beginning in FY 2011. Increases for Immediate Term are primarily labor costs for operating the new 3mg reservoir and its pump station. Increases for Short Term are labor and materials to maintain the 42,000 feet of new pipeline, exercising valves and cathodic protection.

USEFUL LIFE:

Pipelines – 50 Year; Pumps – 20 Years

Project	Water Efficient Demonstration Garden
Program	Water Supply – Recycled Water
Priority No.	10
Project No.	91154006
District Contact	Michael Hamer mhamer@valleywater.org



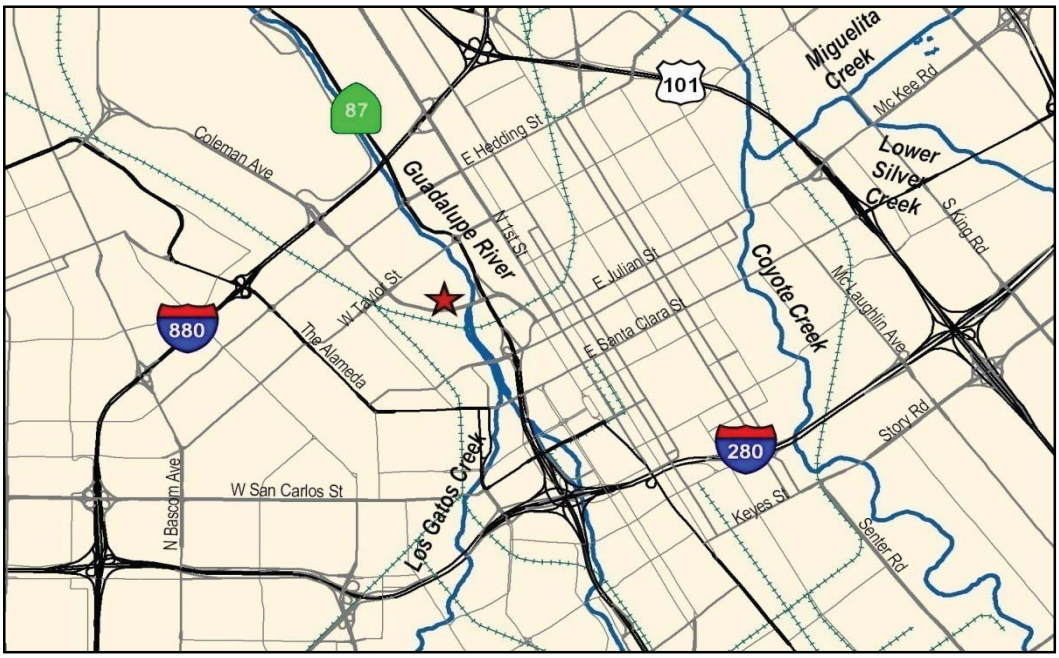
Proposed site for the District's Water Efficient Demonstration Garden, within Guadalupe Gardens in San Jose

PROJECT DESCRIPTION

This project designs and constructs improvements to approximately 1 acre of the Guadalupe Gardens, located at the northern portion of the site, extending from Seymour Street to Hobson Street, near Coleman Avenue, to accomplish the following:

- Design and develop a demonstration garden that promotes water use efficiency in landscaping.
- Create an educational resource, test facility, and learning center that provide environmentally sound and cost effective landscaping alternatives.
- Educate the general public on the use of water wise plants, while promoting efficient irrigation technologies and recycled water.

PROJECT LOCATION



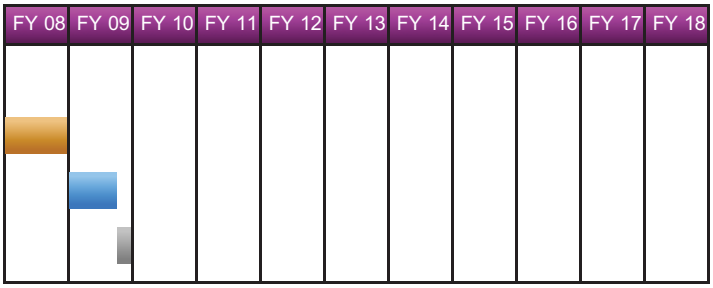
★ Project Location

SCHEDULE & STATUS

July 2006 to June 2009

Planning phase was done in a separate project.

Phase	Cost
Plan	-
Design	247
Construct	1,668
Closeout	52
	1,967



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Water Efficient Demonstration Garden	232	1,420	315	0	0	0	0	0	1,967
with inflation	232	1,420	315	0	0	0	0	0	1,967

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Water Efficient Demonstration Garden	260	1,633	241	74	0	0	0	0	0	1,967

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	1,821
Department of Water Resources	146
Total	1,967

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2010. Increases are for ongoing maintenance of the garden.

USEFUL LIFE: 50+ Years

FLOOD PROTECTION CAPITAL IMPROVEMENTS

FLOOD PROTECTION OVERVIEW

The District manages approximately 800 miles of creeks in Santa Clara County to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages." The 800 miles of creeks are located in five watersheds; Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. The District administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Fifty years of working for flood protection has significantly reduced the intensity and frequency of flooding in Santa Clara County. The voters in Santa Clara County have supported the District's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990.

In 2000, voters approved a special tax to fund the continuation of the District's flood protection capital improvements, specifically, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

Analysis conducted at that time identified nine capital projects that would be funded by the special tax. FY 2007-08 analysis indicated that project cost increases would result in an $85 million revenue shortfall. During the past year, District staff identified ways to reduce the revenue shortfall by $50 million. Staff will continue to work with the Board to develop additional methods for addressing the remaining $35 million revenue shortfall.

Lower Peninsula Watershed

Major Capital Improvements Completed

- Adobe Creek from Highway101 to Edith Avenue
- Barron Creek
- Matadero Creek from Palo Alto Flood Basin to Barron Creek
- Palo Alto Flood Basin
- Stevens Creek from Highway 101 to Homestead Road

Major Capital Improvements Identified in the CIP

- Adobe Creek continuing upstream from completed work at Edith Avenue to Interstate 280
- Permanente Creek from S.F. Bay to Foothill Expressway (Clean Safe Creeks project)
- San Francisquito Creek from S.F. Bay to Searsville Dam (Clean Safe Creeks project)

West Valley Watershed

Major Capital Improvements Completed

- Calabazas Creek from Guadalupe Slough to Miller Avenue
- San Tomas Creek from Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek from San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Calabazas Creek continuing upstream from completed work at Miller Avenue to Wardell Road (Clean Safe Creeks project)
- Sunnyvale East Channel from Guadalupe Slough to Interstate 280 (Clean Safe Creeks project)
- Sunnyvale West Channel from Guadalupe Slough to Highway 101 (Clean Safe Creeks project)

Guadalupe Watershed

Major Capital Improvements Completed

- Alamitos Creek
- Guadalupe River–Lower from Alviso Marina to Interstate 880
- Guadalupe River–Downtown from Interstate 880 to Interstate 280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper continuing from completed work at Interstate 280 to Blossom Hill Road (Clean Safe Creeks project)

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Coyote Watershed

Major Capital Improvements Completed

- Coyote Creek from S.F. Bay to Montague Expressway
- Lower Penitencia Creek from Coyote Creek to Tasman Drive
- Lower Silver Creek from Coyote Creek to Interstate 680
- Wrigley Ford Creek

Major Capital Improvements Identified in the CIP

- Berryessa Creek from Lower Penitencia Creek to Calaveras Boulevard
- Berryessa Creek from Calaveras Boulevard to Old Piedmont Road (Clean Safe Creeks project)
- Coyote Creek continuing upstream from completed work at Montague Expressway to Interstate 280 (Clean Safe Creeks project)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive

Uvas/Llagas Watershed

Major Capital Improvements Completed

- Llagas Creek–Lower from Pajaro River to Buena Vista Road
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper continuing upstream from completed work at Buena Vista Road to Wright Avenue (Clean Safe Creeks project)

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to ensure that the new flood protection projects proposed to be added to the Fiscal Year 2008-09 CIP reflect the Board's priorities. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for flood protection capital improvements was conducted to determine if there are limitations to funding all of the projects in the approved Fiscal Year 2006-07 CIP and the high priority new capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creeks Fund

Results of the prioritization process and financial analysis are summarized in Appendix B. The process concluded that the flood protection capital needs are larger than the projected revenues. Two new flood protection capital projects were added to the Fiscal Year 2008-09 CIP, to be funded by state subventions reimbursement. The following high priority flood protection projects, unfunded or partially funded, are of major concern to meet the Board's Ends Policy E–2.2, "There is a reduced potential for flood damages."

Watershed and Stream Stewardship Fund

- Thompson Creek Stream Stabilization from Quimby Road to Aborn Road (partially funded - coordination with Corps of Engineers only)
- Upper Penitencia Creek from Coyote Creek to Dorel Drive (partially funded - planning phase only)
- Lower Silver Creek from Highway 680 to Lake Cunningham (partially funded - two box culverts)
- Llagas Creek Capacity Restoration Highway 152 to Pajaro River (not funded)
- San Francisco Bay Shoreline Project (partially funded - planning phase only)

Clean, Safe Creeks and Natural Flood Protection Fund

- Permanente Creek, San Francisco Bay to El Camino Real (design & construct)
- San Francisquito Creek, San Francisco Bay through Searsville Dam (design & construct)
- Calabazas Creek, Miller Avenue to Wardell Road
- Sunnyvale West Channel, Guadalupe Slough to Highway 101
- Sunnyvale East Channel, Guadalupe Slough to Highway 101
- Upper Guadalupe River, Intersate 280 to Blossom Hill Road
- Coyote Creek, Montague Expressway to Intersate 280
- Upper Llagas Creek, Buena Vista Road to Wright Avenue

FLOOD PROTECTION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for flood protection capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2007-08.

Flood Protection Capital Improvements ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
LOWER PENINSULA WATERSHED										
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	20,163	3,510	-	537	98	102	141	-	-	24,551
Permanente Creek, San Francisco Bay to Foothill Expressway	11,942	26	370	2,601	2,064	2,004	15,306	16,262	14,780	64,985
San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	-	1,288	-	5,393	2,770	2,886	2,354	1,130	18,533
WEST VALEY WATERSHED										
Calabazas Creek, Bollinger Bridge	5,747	65	-	497	-	-	-	-	-	6,309
Calabazas Creek, Capacity Improvement	4,446	526	88	69	-	-	-	-	-	5,041
Calabazas Creek, Miller Avenue to Wardell Road	6,020	-	304	894	1,162	11,008	1,132	209	269	20,694
San Tomas Creek, Quito Road Bridges Replacement	418	-	126	82	22	23	24	-	-	569
Sunnyvale East and West Channel Planning	2,199	2,739	1,350	930	1,031	568	-	-	-	7,467
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	-	-	-	-	-	4,238	4,416	5,712	123,287	137,653
Sunnyvale West Channel, Guadalupe Slough to Highway 101	-	-	-	-	-	1,023	1,066	10,951	801	13,841
GUADALUPE WATERSHED										
Guadalupe River–Lower, Alviso Marina to Interstate 880	87,327	2,106	1,201	147	185	-	-	-	-	89,765
Guadalupe River–Downtown, Interstate 880 to Interstate 280	102,838	1,537	1,493	305	707	-	-	-	-	105,387
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	45,199	7,684	585	33,177	3,936	4,309	15,468	8,487	8,772	127,032
COYOTE WATERSHED										
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	6,312	2,630	3,285	1,972	8,857	535	463	311	906	21,986
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	12,720	7,422	9,134	7,730	4,306	6,981	501	4,883	17,838	62,381
Coyote Creek, Montague Expressway to Interstate 280	6,903	2,507	2,990	-	1,440	1,275	10,041	5,404	13,037	40,607
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	78,612	539	99	64	-	-	-	-	-	79,215
Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)	-	618	-	64	4,526	3,457	-	-	-	8,665
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,344	-	2,246	-	-	216	147	-	-	2,707
Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,754	30	5,367	203	-	55	-	-	-	15,042

FY 2007-08 Funds to be reappropriated

FLOOD PROTECTION CAPITAL IMPROVEMENTS

Flood Protection Capital Improvements ($K) (cont'd)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
UVAS LLAGAS WATERSHED										
Llagas Creek-Lower, Capacity Restoration	-	-	-	436	1,144	843	-	-	-	2,423
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,374	-	1,824	468	798	198	118	123	539	13,618
MULTIPLE WATERSHEDS										
San Francisco Bay Shoreline - Planning	6,733	2,065	750	2,055	795	311	29	-	-	11,988
TOTAL	430,051	34,004	32,500	52,231	36,464	39,916	51,738	54,696	181,359	880,459

FY 2007-08 Funds to be reappropriated

The following table shows funding requirements from each funding source for flood protection capital improvements.

Flood Protection – Funding Sources ($K)

FUNDING SOURCES	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Watershed Stream Stewardship Fund	352,044	18,444	22,162	12,856	16,252	11,988	842	4,883	17,838	435,147
Clean, Safe Creeks and Natural Flood Protection Fund	78,007	15,560	10,338	39,375	20,212	27,928	50,896	49,813	163,521	445,312
TOTAL	430,051	34,004	32,500	52,231	36,464	39,916	51,738	54,696	181,359	880,459

FY 2007-08 Funds to be reappropriated



Lower Peninsula Watershed Project Pages

Project	**Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	30
Project No.	10104001s
District Contact	Katherine Oven koven@valleywater.org



Adobe Creek, approximately 1,000 feet upstream of El Camino Real. Invert stabilization structure constructed in

PROJECT DESCRIPTION

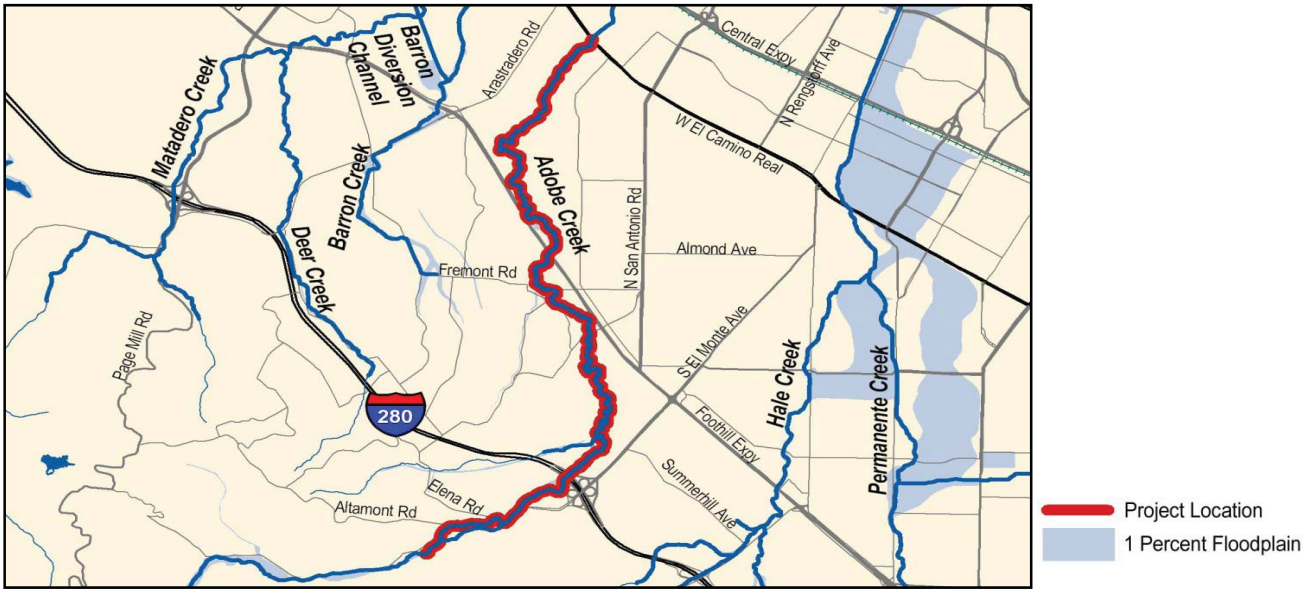
This project plans, designs, and constructs improvements along Adobe Creek, El Camino Real to Rhus Ridge, to accomplish the following objectives:

- Provide protection against flooding and erosion.
- Improve sediment transport.
- Protect and enhance the creek ecosystem.
- Provide for fish passage.

This project is accounted for in the following job numbers:

- 10104001—Planning Study, from El Camino Real to Rhus Ridge (completed)
- 10104009—Reach 1-4, from El Camino Real to Foothill Expressway (completed)
- 10104005—Reach 5 from Foothill Expressway to West Edith (completed)
- 10104011—Upper Reach 5 Restoration
- 10104008—Reach 7–9 from Burke Road to Interstate 280 (planning/design complete - no construction)
- 10104007—Reach 11–13 from Foothill College to Rhus Ridge (cancelled)

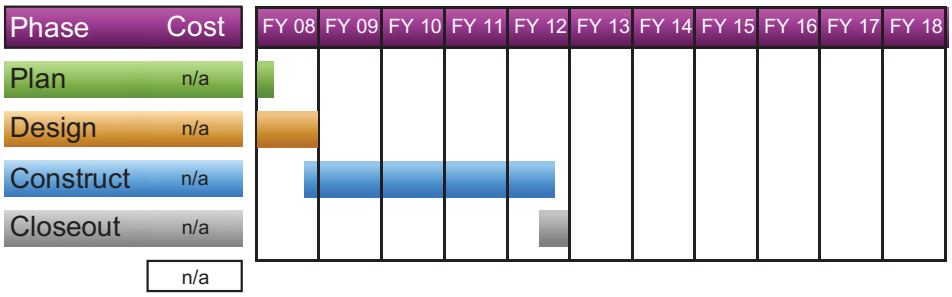
PROJECT LOCATION



PROJECT SCHEDULE

July 1991 to April 2012

Planning phase is complete. Construction includes 3 years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Adobe Ck, Planning, El Camino to Rhus Ridge	3,199	0	0	0	0	0	0	0	3,199
with inflation	3,199	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Expwy (R1-4)	9,742	0	0	0	0	0	0	0	9,742
with inflation	9,742	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill Expwy to W. Edith (R5)	3,111	0	0	0	0	0	0	0	3,111
with inflation	3,111	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper Reach 5 Restoration	2,696	3,435	537	90	90	120	0	0	6,968
with inflation	2,696	3,435	537	98	102	141	0	0	7,009
Adobe Ck, Burke Road to I-280 (R7-9)	1,328	30	0	0	0	0	0	0	1,358
with inflation	1,328	30	0	0	0	0	0	0	1,358
Adobe Ck, Foothill Coll to Rhus Ridge (R11-13)	132	0	0	0	0	0	0	0	132
with inflation	132	0	0	0	0	0	0	0	132
TOTAL	**20,208**	**3,465**	**537**	**90**	**90**	**120**	**0**	**0**	**24,510**
with inflation	**20,208**	**3,465**	**537**	**98**	**102**	**141**	**0**	**0**	**24,551**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Adobe Ck, Planning, El Camino to Rhus Ridge	3,199	0	0	0	0	0	0	0	0	3,199
Adobe Ck, El Camino to Foothill Expwy (R1-4)	9,742	0	0	0	0	0	0	0	0	9,742
Adobe Ck, Foothill Expwy to W. Edith (R5)	3,111	0	0	0	0	0	0	0	0	3,111
Adobe Ck, Upper Reach 5 Restoration	2,651	3,480	0	537	98	102	141	0	0	7,009
Adobe Ck, Burke Road to I-280 (R7-9)	1,328	30	0	0	0	0	0	0	0	1,358
Adobe Ck, Foothill Coll to Rhus Ridge (R11-13)	132	0	0	0	0	0	0	0	0	132
TOTAL	**20,163**	**3,510**	**0**	**537**	**98**	**102**	**141**	**0**	**0**	**24,551**

Adjusted Budget includes adopted budget plus a planned budget adjustment of $159,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	24,489
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	62
Total	**24,551**

OPERATING COST IMPACTS

Operating budget impacts from construction of this project are expected to be insignificant. Repair of several erosion sites will reduce maintenance needs, but will not affect overall sediment removal or vegetation control practices.

USEFUL LIFE: 30+ Years

Project	**Permanente Creek, San Francisco Bay to Foothill Expressway**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	94
Project No.	10244001s
District Contact	Katherine Oven koven@valleywater.org



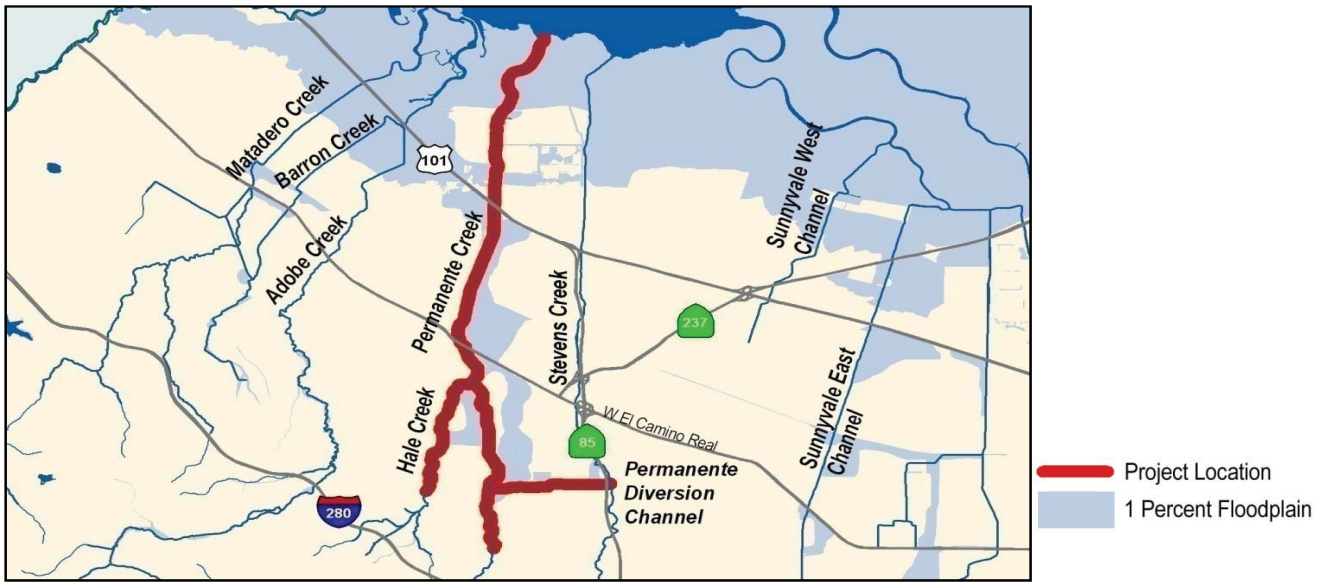
Permanente Creek, looking upstream at the golf course foot bridge

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, Hale Creek from Foothill Expressway to its confluence with Permanente Creek, and the diversion structure between Permanente and Stevens Creeks, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway.
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway.
- Provide environmental restoration and enhancement benefits, where opportunities exist.
- Provide recreation enhancements, where opportunities exist.
- Provide natural flood protection by taking a multiple-objective approach.

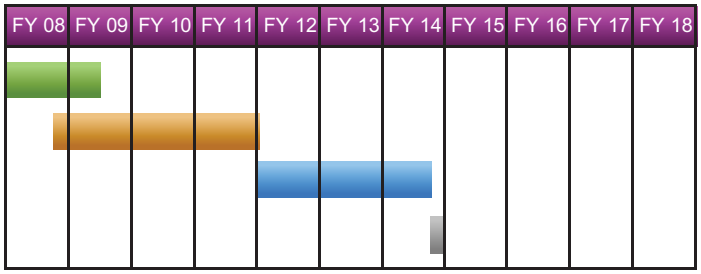
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to June 2014

Phase	Cost
Plan	11,959
Design	6,231
Construct	32,197
Closeout	103
	50,490



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Permanente Creek, Bay to Foothill Expressway – Lower Peninsula Fund	10,268	1,330	1,037	0	0	0	0	0	12,635
with inflation	10,268	1,330	1,037	0	0	0	0	0	12,635
Permanente Creek, Bay to Foothill Expressway – Clean, Safe Creeks Fund	0	0	1,934	1,901	1,771	11,089	11,089	10,071	37,855
with inflation	0	0	1,934	2,064	2,004	15,306	16,262	14,780	52,350
Permanente Creek, Bay to Foothill Expressway	10,268	1,330	2,971	1,901	1,771	11,089	11,089	10,071	50,490
with inflation	10,268	1,330	2,971	2,064	2,004	15,306	16,262	14,780	64,985

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Permanente Creek, Bay to Foothill Expressway – Lower Peninsula Fund	11,942	26	370	667	0	0	0	0	0	12,635
Permanente Creek, Bay to Foothill Expressway – Clean, Safe Creeks Fund	0	0	0	1,934	2,064	2,004	15,306	16,262	14,780	52,350
TOTAL	**11,942**	**26**	**370**	**2,601**	**2,064**	**2,004**	**15,306**	**16,262**	**14,780**	**64,985**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	12,635
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	52,350
Total	**64,985**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2015. Increases in operations and maintenance costs include sediment removal at three flood detention sites, and bypass channel inlet and outlet operations and maintenance.

USEFUL LIFE: 30+ Years

Project	**San Francisquito Creek, San Francisco Bay through Searsville Dam**
Program	Flood Protection – Lower Peninsula Watershed
Priority No.	68
Project No.	10284007s
District Contact	Katherine Oven koven@valleywater.org



San Francisquito Creek, looking downstream from the Waverly Street Bicycle Bridge between Middlefield Road

PROJECT DESCRIPTION

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers, to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam, to accomplish the following objectives:

- Provide flood protection.
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible.
- Develop public support for the preferred alternative.

This project is funded through the planning and design phases only. The scope, schedule, costs, and funding sources of the construction phase will be determined upon the completion of the planning phase.

PROJECT LOCATION

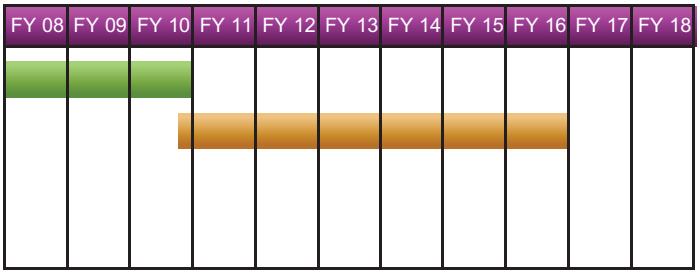


PROJECT SCHEDULE

July 2004 to June 2016

(Planning & Design Phases Only)

Phase	Cost
Plan	8,108
Design	8,514
Construct	-
Closeout	-
	16,622



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Francisquito Creek, San Francisco Bay through Searsville Dam	1,585	1,127	1,194	5,053	2,448	2,448	1,916	851	16,622
with inflation	1,585	1,127	1,194	5,486	2,770	2,886	2,354	1,130	18,531

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Francisquito Creek, San Francisco Bay through Searsville Dam - Lower Peninsula	4,000	0	1,288	0	4,468	0	0	0	0	8,468
San Francisquito Creek, San Francisco Bay through Searsville Dam - Clean Safe Creeks	0	0	0	0	924	2,770	2,886	2,354	1,130	10,063
TOTAL	**4,000**	**0**	**1,288**	**0**	**5,392**	**2,770**	**2,886**	**2,354**	**1,130**	**18,531**

FUNDING SOURCES

(in thousands $)

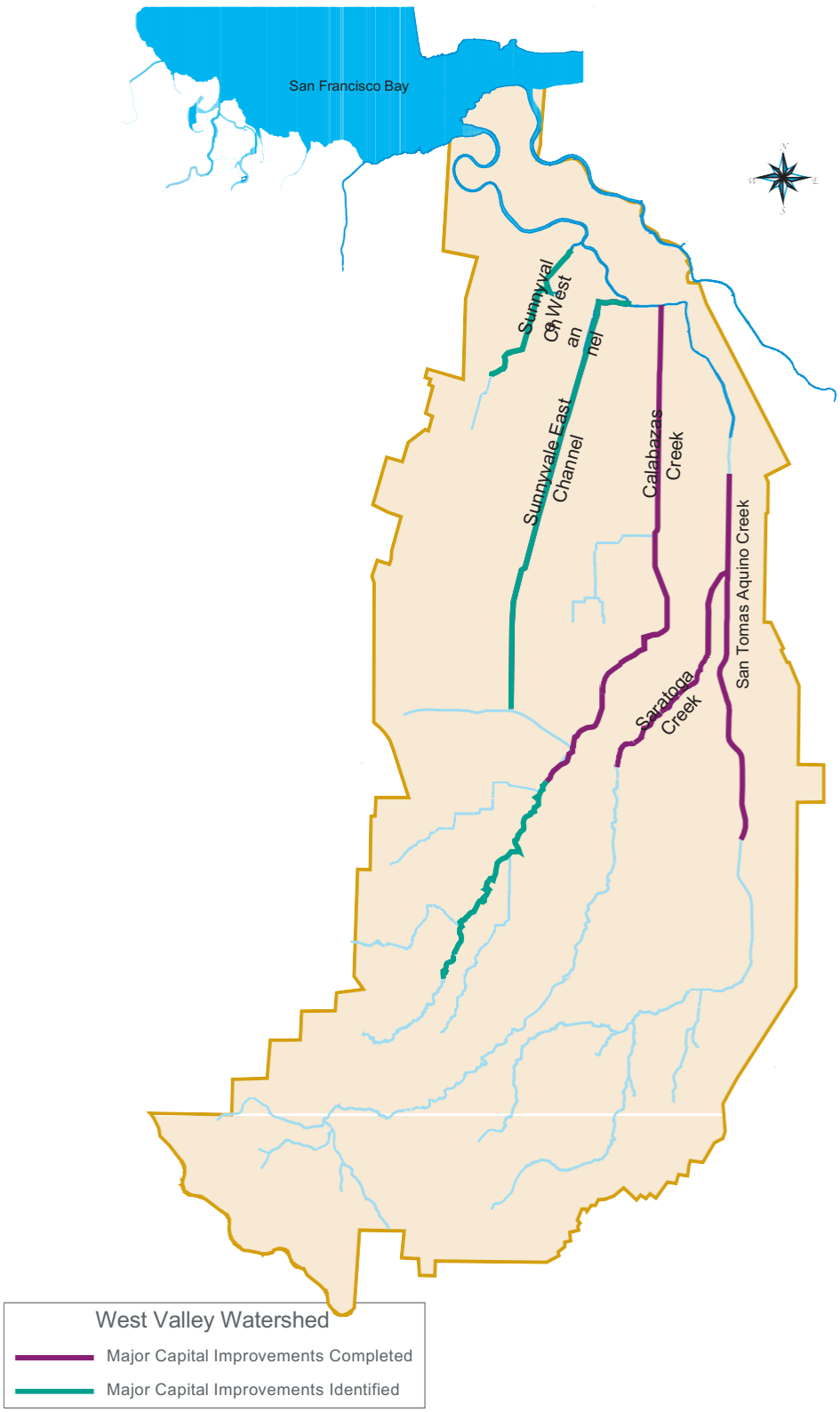
SCVWD Watershed Stream Stewardship Fund	8,468
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	10,063
Total	**18,531**
Federal Partner–Corps of Engineers	3,000
County Partner–County of San Mateo	1,500

County and Corps participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.

OPERATING COST IMPACTS

Planning and Design Phases Only: The completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available



West Valley Watershed Project Page

Project	**Calabazas Creek, Bollinger Bridge**
Program	Flood Protection – West Valley Watershed
Priority No.	42
Project No.	20104015
District Contact	Beau Goldie bgoldie@valleywater.org



Calabazas Creek at Bollinger Bridge, looking upstream. Road narrows at the bridge. Project will improve pedestrian and bicycle safety.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to Bollinger Bridge at Calabazas Creek, to accomplish the following objectives:

- Provide one-percent flood protection to adjacent residential properties and streets.
- Restore vegetation and habitat.
- Improve traffic and pedestrian capacity.
- Remove failing abandoned bridge structure.

PROJECT LOCATION

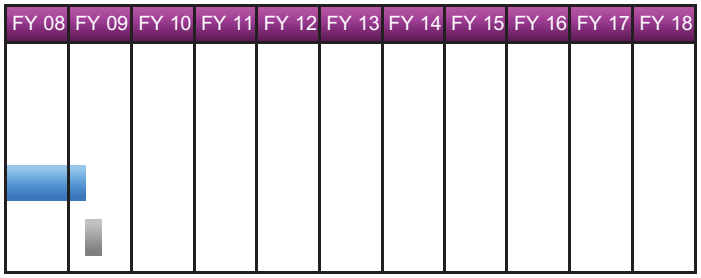


SCHEDULE & STATUS

August 1999 to October 2008.

Planning phase is complete.
Design Phase is complete.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Calabazas Creek, Bollinger Bridge	5,202	610	497	0	0	0	0	0	6,309
with inflation	5,202	610	497	0	0	0	0	0	6,309

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Calabazas Creek, Bollinger Bridge	5,747	65	0	497	0	0	0	0	0	6,309

Adjusted Budget includes adopted budget plus a planned budget adjustment of $65,000.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	6,309
Other Funding Source	0
Total	**6,309**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs. The project is within District jurisdiction and it is designed to minimize maintenance activities such as sediment removal, so as to have minimal or no additional impact to the operating budget.

USEFUL LIFE: 30+ Years

Project	**Calabazas Creek, Capacity Improvement**
Program	Flood Protection – West Valley Watershed
Priority No.	77
Project No.	20104018
District Contact	Katherine Oven koven@valleywater.org



Calabazas Creek, downstream of the El Camino Real Bridge (looking upstream)

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 2 miles of Calabazas Creek, from Central Expressway to Miller Avenue, to accomplish the following objectives:

- Provide one-percent flood protection to 2,250 parcels.
- Correct invert erosion along Calabazas Creek downstream of Miller Avenue.

PROJECT LOCATION

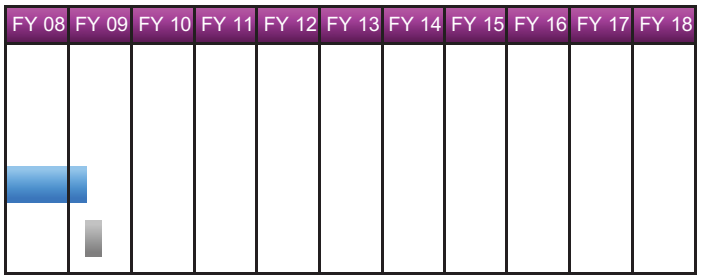


SCHEDULE & STATUS

January 2005 to November 2008.

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	759
Design	753
Construct	3,499
Closeout	30
	5,041



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Calabazas Creek, Capacity Improvement	4,019	865	157	0	0	0	0	0	5,041
with inflation	4,019	865	157	0	0	0	0	0	5,041

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Calabazas Creek, Capacity Improvement	4,446	526	88	69	0	0	0	0	0	5,041

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	5,013
City of Santa Clara	28
Total	**5,041**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease the operating costs. The new channel structure will be very similar to the original structure.

USEFUL LIFE: 30+ Years

Project	**Calabazas Creek, Miller Avenue to Wardell Road**
Program	Flood Protection – West Valley Watershed
Priority No.	45
Project No.	26104001
District Contact	Katherine Oven koven@valleywater.org



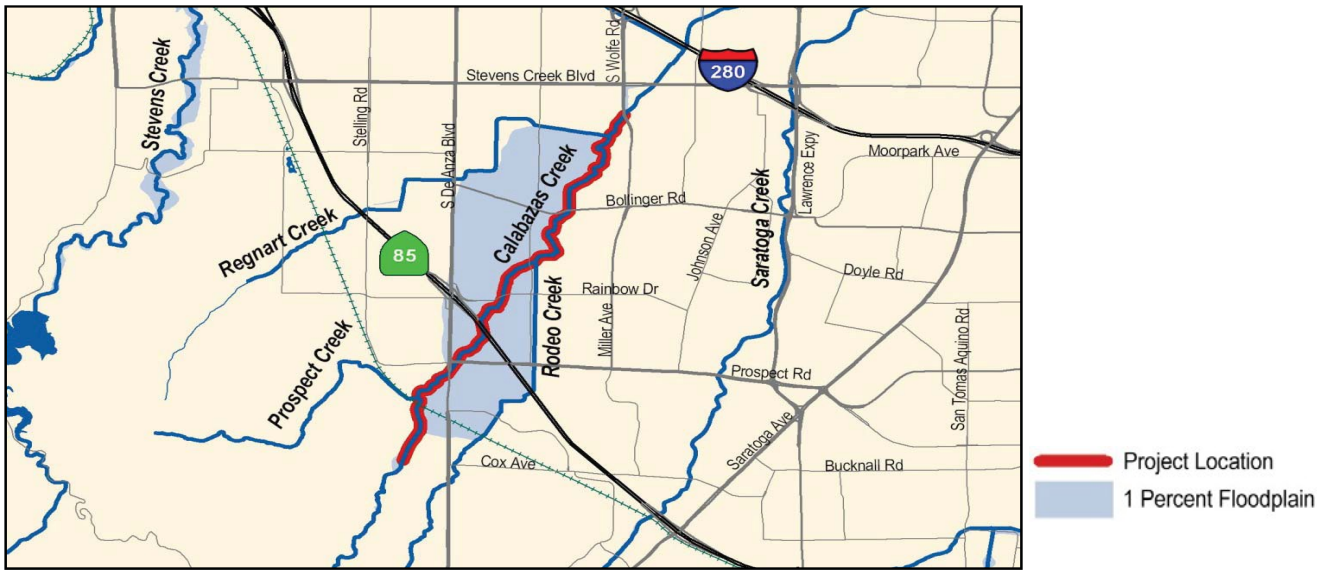
Calabazas Creek overtops its banks in February 1986 near Miller Avenue, flooding neighborhood streets.

PROJECT DESCRIPTION

This project plans, design, and constructs improvements along 3.3 miles of Calabazas Creek from Miller Avenue to Wardell Road to accomplish the following objectives:

- Provide one-percent flood protection on Calabazas Creek from Miller Avenue to Wardell Road.
- Reduce erosion, sedimentation, and maintenance costs.
- Provide environmental restoration and enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.

PROJECT LOCATION

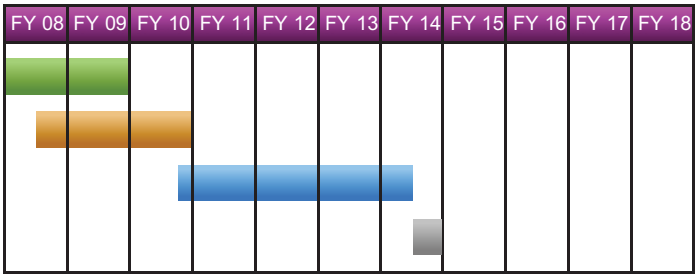


SCHEDULE & STATUS

December 2003 to June 2016

Construction Phase includes 3 years of plant establishment monitoring.

Phase	Cost
Plan	5,984
Design	1,930
Construct	9,670
Closeout	100
	17,684



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Calabazas Creek, Miller Avenue to Wardell Road	4,596	1,120	1,198	1,070	8,360	960	170	210	17,684
with inflation	4,596	1,120	1,198	1,162	11,008	1,132	209	269	20,693

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Calabazas Creek, Miller Avenue to Wardell Road	6,020	0	304	894	1,162	11,008	1,132	209	269	20,693

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	20,693
Other Funding Source	0
Total	**20,693**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease the operating costs. The new channel structure will be very similar to the original structure.

USEFUL LIFE: 30+ Years

Project	**San Tomas Creek, Quito Road Bridges**
Program	Flood Protection – West Valley Watershed
Priority No.	38
Project No.	20194005
District Contact	Beau Goldie bgoldie@valleywater.org

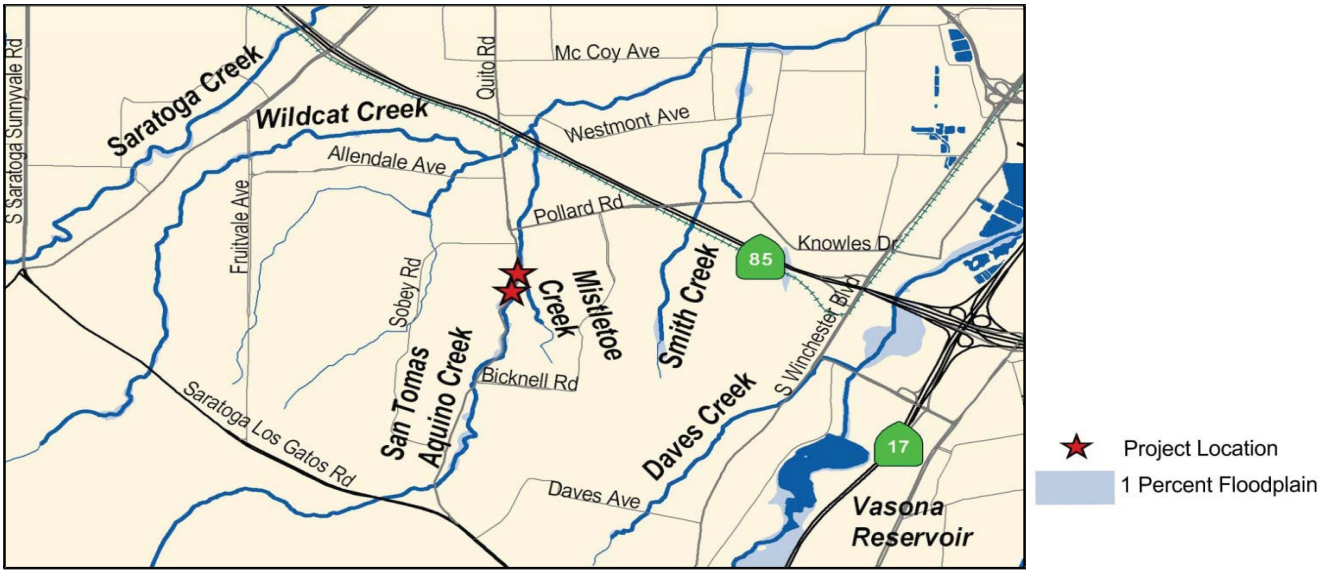


San Tomas Aquino Creek, looking upstream at one of the Quito Road bridge crossings and an adjacent pedestrian

PROJECT DESCRIPTION

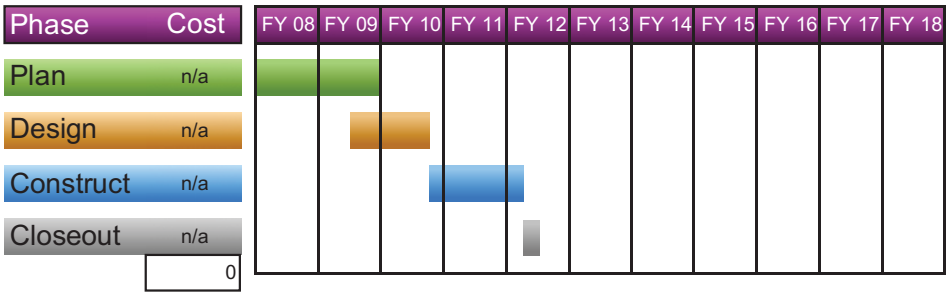
This project partners with the City of Saratoga, the Town of Los Gatos, and Caltrans to plan, design, and construct two bridge replacements on San Tomas Aquino Creek at Quito Road, to provide one-percent flood protection.

PROJECT LOCATION



SCHEDULE & STATUS

July 2001 to December 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Tomas Creek, Quito Road Bridges Replacement	292	0	200	20	20	20	0	0	552
with inflation	292	0	208	22	23	24	0	0	568

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Tomas Creek, Quito Road Bridges Replacement	418	0	126	82	22	23	24	0	0	568

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	568
Other Funding Source	0
Total	**568**
Local Partner–City of Saratoga–5%	180
Local Partner–Town of Los Gatos–5%	180
State Partner–Highway Bridge Replacement and Rehabilitation Program CALTRANS–85%	3,064

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease District operating costs as the facility is owned by the City of Saratoga.

USEFUL LIFE: 30+Years

Project	**Sunnyvale East and West Channel Planning**
Program	Flood Protection – West Valley Watershed
Priority No.	85
Project No.	26074002
District Contact	Katherine Oven koven@valleywater.org



Sunnyvale West Channel looking upstream from Java Drive

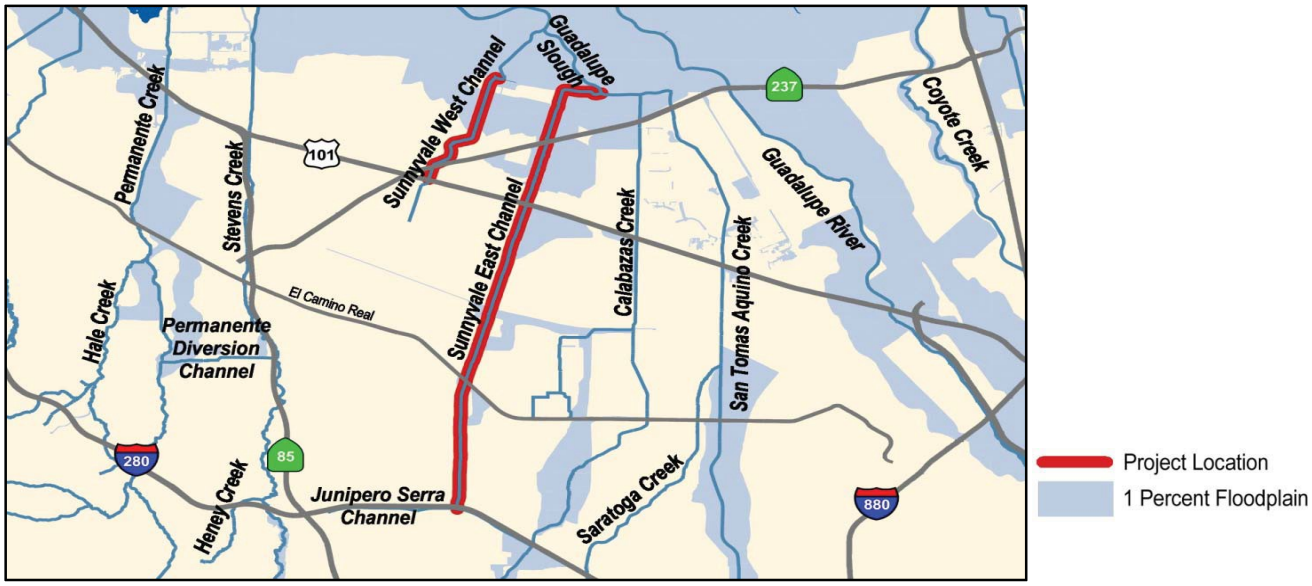
PROJECT DESCRIPTION

This project plans improvements to approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, and 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection on Sunnyvale East and West Channels.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion, sedimentation, and maintenance costs.
- Protect fish and wildlife habitat.

The Sunnyvale East and Sunnyvale West Channels were originally identified as separate projects. In order to improve efficiency by combining efforts, the planning phase for both projects will be performed as a single effort. After completion of planning, the design and construction phases for each project will be undertaken separately; one project for each channel.

PROJECT LOCATION

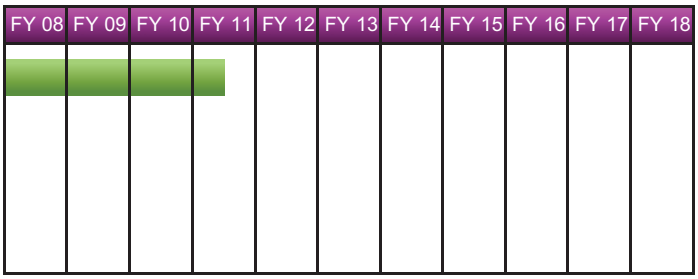


SCHEDULE & STATUS

March 2006 to October 2010

(Planning Phase Only)

Phase	Cost
Plan	7,320
Design	-
Construct	-
Closeout	-
	7,320



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Sunnyvale East and West Channel Planning	2,148	1,440	2,280	950	502	0	0	0	7,320
with inflation	2,148	1,440	2,280	1,031	568	0	0	0	7,467

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Sunnyvale East and West Channel Planning	2,199	2,739	1,350	930	1,031	568	0	0	0	7,467

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	7,467
Other Funding Source	0
Total	**7,467**

OPERATING COST IMPACTS

Planning Only. No operating cost impacts are anticipated from the construction of this project.

USEFUL LIFE: Not Available

Project	**Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280**
Program	Flood Protection – West Valley Watershed
Priority No.	85
Project No.	26C40232
District Contact	Katherine Oven koven@valleywater.org



Erosion along the Sunnyvale East Channel

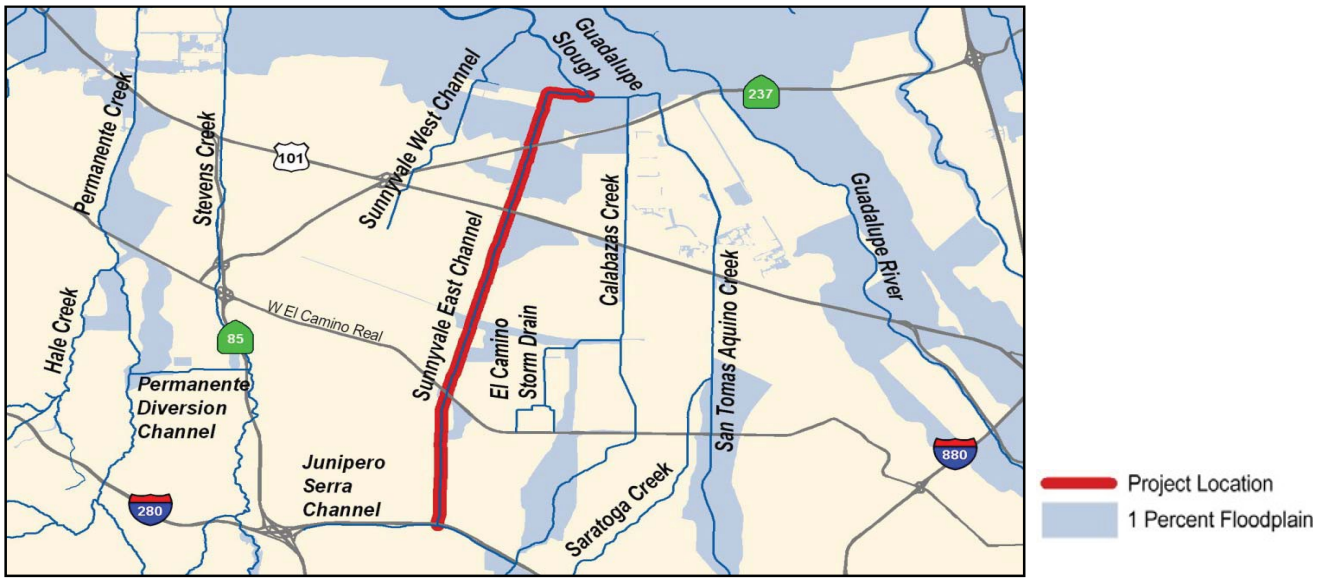
PROJECT DESCRIPTION

This project designs and constructs improvements along approximately 6.4 miles of the Sunnyvale East Channel, from Guadalupe Slough to Interstate 280, to accomplish the following objectives:

- Provide flood protection on Sunnyvale East Channel.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Improve water quality.
- Reduce maintenance costs.

In order to improve efficiency by combining efforts, the planning phase for this project was combined with the Sunnyvale West Channel in a separate project.

PROJECT LOCATION

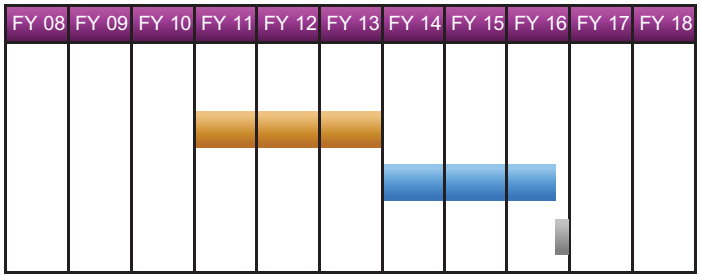


SCHEDULE & STATUS

July 2010 to June 2016

Planning Phase is scheduled as a separate project and combined with Sunnyvale West Channel.

Phase	Cost
Plan	-
Design	12,142
Construct	80,899
Closeout	52
	93,093



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280	0	0	0	0	3,746	3,746	4,650	80,951	93,093
with inflation	0	0	0	0	4,238	4,416	5,712	123,287	137,653

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Sunnyvale East Channel Design & Construction, Guadalupe Slough to Interstate 280	0	0	0	0	0	4,238	4,416	5,712	123,287	137,653

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	137,653
Other Funding Source	0
Total	**137,653**

OPERATING COST IMPACTS

Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Sunnyvale West Channel Design and Construction, Guadalupe Slough to**
Program	Flood Protection – West Valley Watershed
Priority No.	49
Project No.	26C40234
District Contact	Katherine Oven koven@valleywater.org



Sunnyvale West flooding upstream off Caribbean Drive in

PROJECT DESCRIPTION

This project designs, and constructs improvements on 2.3 miles of the Sunnyvale West Channel, from Guadalupe Slough to Highway 101, to accomplish the following objectives:

- Provide flood protection on Sunnyvale West Channel.
- Provide environmental enhancement benefits where opportunities exist.
- Provide recreation enhancements where opportunities exist.
- Reduce erosion and sedimentation.
- Reduce maintenance costs.
- Protect fish and wildlife habitat.

In order to improve efficiency by combining efforts, the planning phase for this project was combined with the Sunnyvale East Channel in a separate project.

PROJECT LOCATION

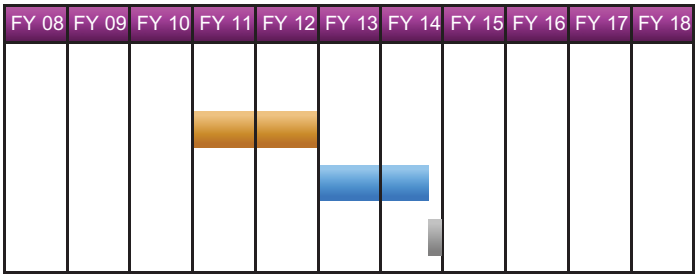


SCHEDULE & STATUS

July 2010 to June 2014

Planning Phase is scheduled as a separate project and combined with Sunnyvale East Channel.

Phase	Cost
Plan	-
Design	1,808
Construct	7,967
Closeout	52
	9,827



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Sunnyvale West Channel Design and Construction, Guadalupe Slough to Highway 101	0	0	0	0	904	904	7,393	626	9,827
with inflation	0	0	0	0	1,023	1,066	10,951	801	13,841

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Sunnyvale West Channel Design and Construction, Guadalupe Slough to Highway 101	0	0	0	0	0	1,023	1,066	10,951	801	13,841

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	13,841
Other Funding Source	0
Total	**13,841**

OPERATING COST IMPACTS

Operating budget impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 30+ Years



Guadalupe Watershed Project Page

Project	**Guadalupe River–Lower, Alviso Marina to Interstate 880**
Program	Flood Protection – Guadalupe Watershed
Priority No.	84
Project No.	30154011
District Contact	Katherine Oven koven@valleywater.org



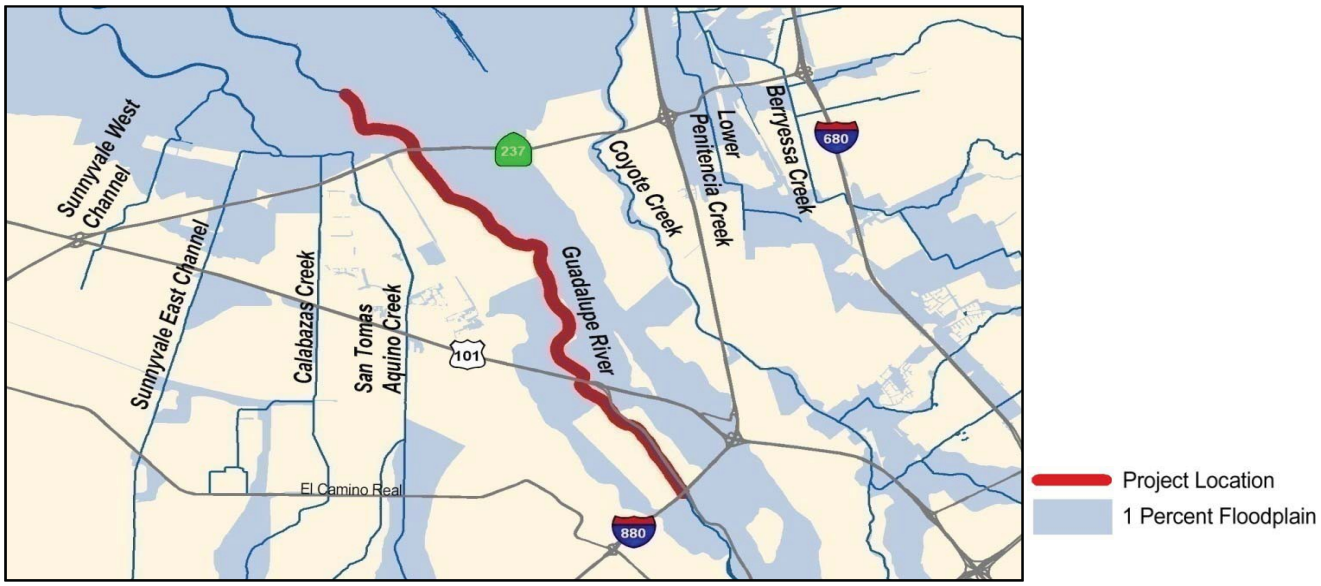
Floodwall construction on Lower Guadalupe River, July 2003

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 6 miles of lower Guadalupe River, from the Alviso Marina to Interstate 880 to accomplish the following objectives:

- Eliminate the potential for flood damage to people and property during a one-percent flood event.
- Reduce bank erosion and sedimentation-related impacts along the lower Guadalupe River.
- Avoid potential adverse impacts on fish and wildlife habitats.
- Minimize impacts to the creek's environmental resources and restore some of the lost historic functions and value of the riparian corridor where feasible.
- Provide long-term riparian habitat improvement to offset impacts resulting from constructing flood control
- Provide mitigation for unavoidable adverse impacts on environmental resources.
- Provide opportunities to protect and enhance the existing wetlands and riparian habitat, and improve conditions favoring Chinook salmon and steelhead trout.
- Provide, where possible, continuous maintenance access along the river, which can be used as a trail.
- Identify potential project impacts on Alviso and bay land areas and mitigate for unavoidable adverse impacts.
- Specify best management practices to protect water quality.

PROJECT LOCATION

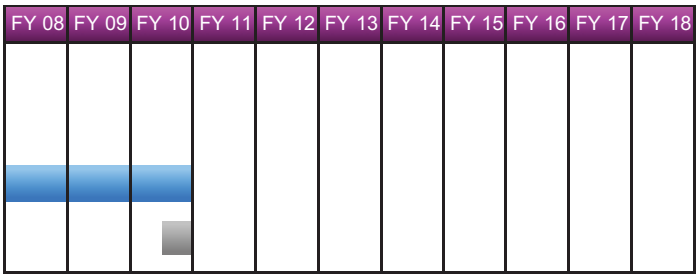


SCHEDULE & STATUS

June 1999 to June 2010

Planning phase is complete. Design phase is complete. Construction phase includes 3 years of plant establishment monitoring.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Guadalupe River–Lower, Alviso Marina to Interstate 880	86,183	2,049	1,348	170	0	0	0	0	89,750
with inflation	86,183	2,049	1,348	185	0	0	0	0	89,765

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Guadalupe River–Lower, Alviso Marina to Interstate 880	87,327	2,106	1,201	147	185	0	0	0	0	89,765

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	87,439
City of San Jose	2,326
Total	**89,765**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $455,000 per year, beginning in FY 2011, due to increases in labor and equipment resources needed to ensure that routine stream maintenance practices are conducted in a manner consistent with the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River—Downtown, Interstate 880 to Interstate 280**
Program	Flood Protection - Guadalupe Watershed
Priority No.	67
Project No.	30154013s
District Contact	Katherine Oven koven@valleywater.org



West bank of the Guadalupe River, looking upstream from the Coleman Bridge, in September 2005

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps), State of California, City of San Jose, and San Jose Redevelopment Agency to plan, design, and construct improvements along 2.6 miles of the Guadalupe River, from Interstate 880 to Interstate 280, to accomplish the following objectives:

- Provide one-percent flood protection to downtown San Jose's technology and commercial industries and residential neighborhoods.
- Protect and improve water quality of the river.
- Preserve and enhance the river's habitat, fish and wildlife.
- Provide recreational and open space benefits in cooperation with the Corps, City of San Jose, and San Jose Redevelopment Agency.

This project is accounted for in the following job numbers:

- 30154013—Interstate 880 to Heading
- 30154014—Hedding to Coleman
- 30154015—Coleman to Santa Clara
- 30154016—Santa Clara to Park
- 30154017—Woz Way to Interstate 280
- 30154018—Guadalupe River, Escrow

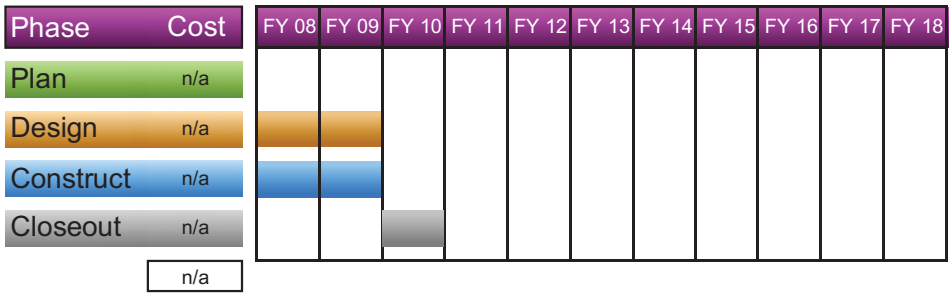
PROJECT LOCATION



PROJECT SCHEDULE

March 1990 to June 2010

Planning phase is complete. Design phase includes some land acquisition that takes place during the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Guadalupe Rv—DT, I-880 to Hedding	1,171	50	448	150	0	0	0	0	1,819
with inflation	1,171	50	448	163	0	0	0	0	1,832
Guadalupe Rv—DT, Hedding to Coleman	10,029	50	599	100	0	0	0	0	10,778
with inflation	10,029	50	599	109	0	0	0	0	10,787
Guadalupe Rv—DT, Coleman-W. Santa Clara	27,662	6,372	227	300	0	0	0	0	34,561
with inflation	27,662	6,372	227	326	0	0	0	0	34,587
Guadalupe Rv—DT, W. Santa Clara to Park	10,322	1,275	52	100	0	0	0	0	11,749
with inflation	10,322	1,275	52	109	0	0	0	0	11,758
Guadalupe Rv—DT, Woz to I-280	8,761	1,176	52	100	0	0	0	0	10,089
with inflation	8,761	1,176	52	109	0	0	0	0	10,098
Guadalupe Rv—DT, Escrow	36,014	0	0	0	0	0	0	0	36,014
with inflation	36,014	0	0	0	0	0	0	0	36,014
TOTAL	**93,959**	**8,923**	**1,378**	**750**	**0**	**0**	**0**	**0**	**105,010**
with inflation	**93,959**	**8,923**	**1,378**	**814**	**0**	**0**	**0**	**0**	**105,074**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Guadalupe Rv—DT, I-880 to Hedding	1,636	0	415	33	163	0	0	0	0	1,832
Guadalupe Rv—DT, Hedding to Coleman	10,510	41	472	127	109	0	0	0	0	10,787
Guadalupe Rv—DT, Coleman-W. Santa Clara	32,645	1,475	86	141	326	0	0	0	0	34,587
Guadalupe Rv—DT, W. Santa Clara to Park	11,939	0	342	0	0	0	0	0	0	11,939
Guadalupe Rv—DT, Woz to I-280	9,964	21	48	4	109	0	0	0	0	10,098
Guadalupe Rv—DT, Escrow	36,144	0	130	0	0	0	0	0	0	36,144
TOTAL	**102,838**	**1,537**	**1,493**	**305**	**706**	**0**	**0**	**0**	**0**	**105,386**

Adjusted Budget includes adopted budget plus approved budget adjustments. Total funding is $311,000 more than planned expenditures. Unspent funding will be returned to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	67,206
State of California	30,587
City of San Jose	7,593
City of San Jose Redevelopment Agency	9,904
Total	**105,386**
Federal Partner–Corps of Engineers	158,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $450,000 per year, with approximately $150,000 beginning in FY 2009 and the remaining $300,000 beginning in FY 2011. Increased costs are primarily due to increased channel width and adaptive management and monitoring costs described in the Mitigation and Monitoring Plan.

USEFUL LIFE: 30+ Years

Project	**Guadalupe River–Upper, Interstate 280 to Blossom Hill Road**
Program	Flood Protection - Guadalupe Watershed
Priority No.	52
Project No.	26154001s
District Contact	Katherine Oven koven@valleywater.org



Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge

PROJECT DESCRIPTION

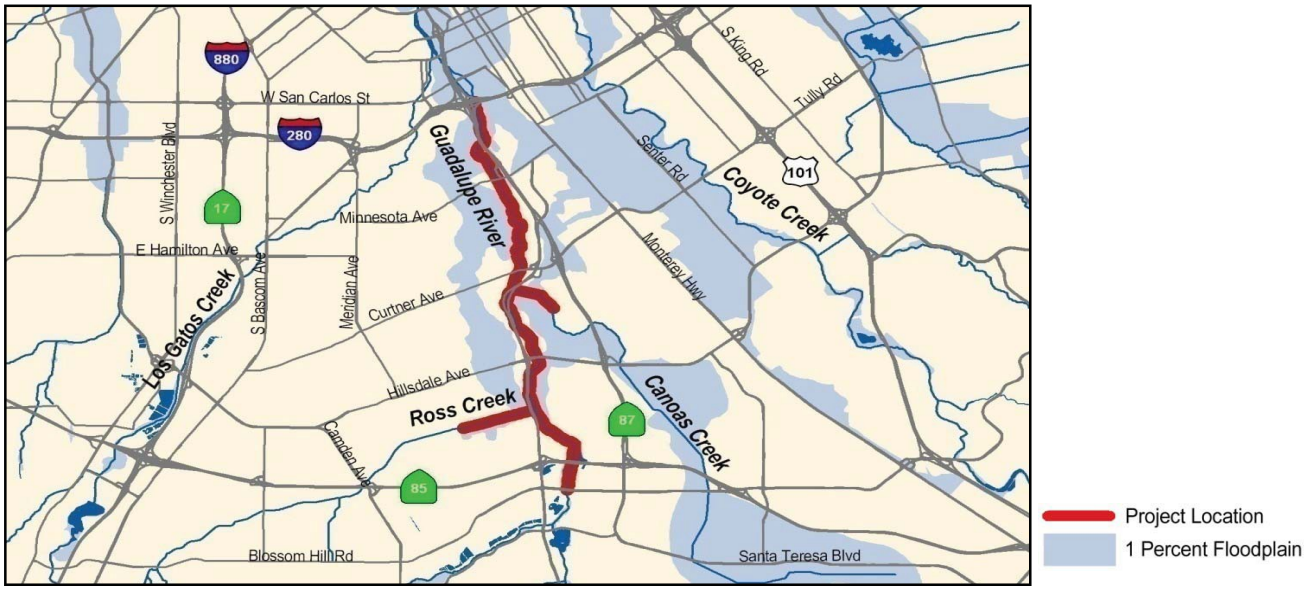
This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide one-percent flood protection on upper reaches of Guadalupe River, from I-280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek, and an additional lower reach from Hwy 101 to I-280.
- Provide long-term net gains of 15 acres in riparian forest acreage, quality, and continuity of wildlife habitat, and conditions favoring Chinook salmon and steelhead trout.
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources.
- Provide opportunity to incorporate a continuous 6-mile trail by connecting the trail at Interstate 280 to the Alamitos Creek trail.
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries.
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group.

This project is accounted for in the following job numbers:

- 26154001—Fish Passage Modification
- 26154002—I-280 to Southern Pacific Railroad Bridge (Reach 6)
- 26154003—Southern Pacific Railroad Bridge to Blossom Hill Road (Reach 7-12)

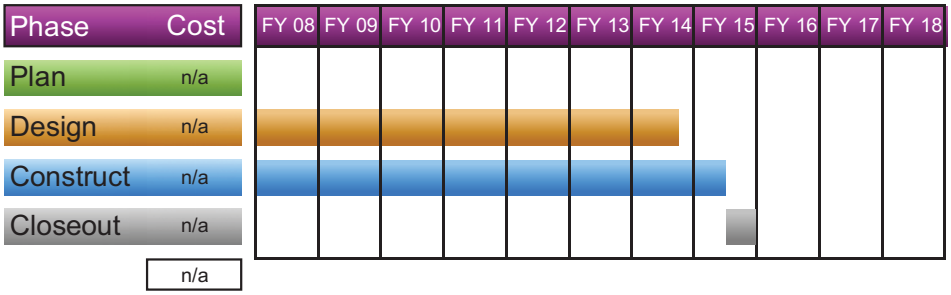
PROJECT LOCATION



PROJECT SCHEDULE

July 2001 to May 2015

Planning phase is complete. Design and construction of eight individual reaches are done sequentially.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Guadalupe Rv—Upper, Fish Passage Mods	1,333	1,275	261	0	0	0	0	0	2,869
with inflation	1,333	1,275	261	0	0	0	0	0	2,869
Guadalupe Rv—Upper, I-280 to SPRR (R6)	11,137	1,753	22,772	2,463	0	0	0	0	38,125
with inflation	11,137	1,753	22,772	2,674	0	0	0	0	38,336
Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	12,685	16,228	10,729	1,039	3,793	11,189	6,256	5,764	67,683
with inflation	12,685	16,228	10,729	1,262	4,309	15,468	8,487	8,772	77,940
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	**33,042**	**19,256**	**33,762**	**3,502**	**3,793**	**11,189**	**6,256**	**5,764**	**116,564**
with inflation	**33,042**	**19,256**	**33,762**	**3,936**	**4,309**	**15,468**	**8,487**	**8,772**	**127,032**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Guadalupe Rv—Upper, Fish Passage Mods	2,034	574	0	261	0	0	0	0	0	2,869
Guadalupe Rv—Upper, I-280 to SPRR (R6)	11,728	1,375	213	22,559	2,674	0	0	0	0	38,336
Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. (R7-12)	23,550	5,735	372	10,357	1,262	4,309	15,468	8,487	8,772	77,940
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	**45,199**	**7,684**	**585**	**33,177**	**3,936**	**4,309**	**15,468**	**8,487**	**8,772**	**127,032**

Adjusted Budget includes adopted budget plus a planned budget adjustment of $23,000 for the Fish Passage Modifications project.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	69,079
State of California	54,300
City of San Jose	3,653
Total	**127,032**
Federal Partner–Corps of Engineers	40,200

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $480,000 per year, beginning in FY 2015, for labor and equipment resources for mitigation and monitoring , implementation of adaptive management measures, and operations and maintenance in accordance with the Corps Operations and Maintenance Manual.

USEFUL LIFE: 30+ Years



Coyote Watershed Project Pages

Project	**Berryessa Creek, Calaveras Boulevard to Old Piedmont Road**
Program	Flood Protection – Coyote Watershed
Priority No.	42
Project No.	26174041s
District Contact	Katherine Oven koven@valleywater.org



Berryessa Creek near flood stage at Piedmont Road in San Jose.

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.3 miles of Berryessa Creek, from Calaveras Boulevard to Old Piedmont Road, to accomplish the following objectives:

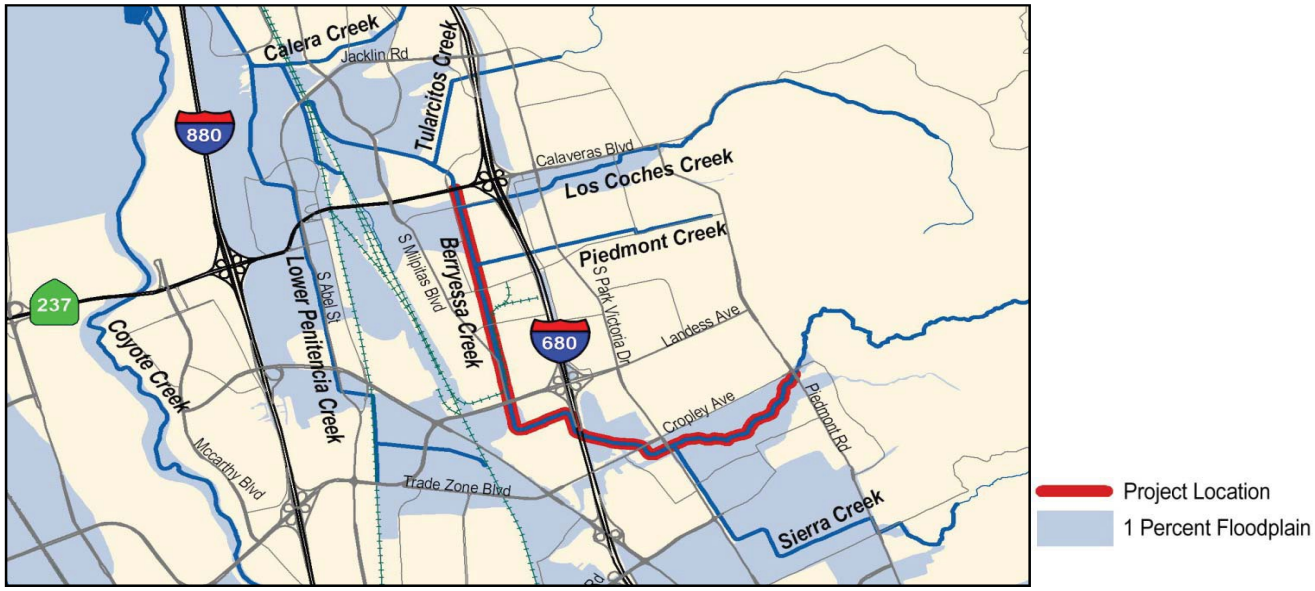
- Provide one-percent flood protection to more than 2,900 homes, businesses, and public buildings.
- Reduce sedimentation and maintenance requirements.
- Mitigate for project impacts.
- Improve stream habitat values.
- Identify opportunities to integrate recreation improvements consistent with the Cities of San Jose's and Milpitas' Trail Master Plans.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers :

26174041—Coordination with Corps

26174042—Reimbursable work—Lands, Easements, Rights of Way, Relocations and Disposal (LERRDs)

PROJECT LOCATION

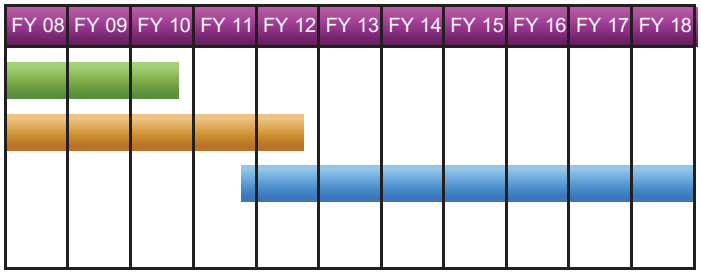


PROJECT SCHEDULE

July 2001 to December 2018

Construction includes two contract phases and three years of plant establishment monitoring.

Phase	Cost
Plan	5,142
Design	6,352
Construct	8,280
Closeout	110
	19,884



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	3,879	920	1,375	2,620	220	140	90	275	9,519
with inflation	3,879	920	1,375	3,227	249	165	111	377	10,302
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	263	595	3,882	4,555	253	253	163	401	10,365
with inflation	263	595	3,882	5,630	286	298	200	530	11,685
TOTAL	**4,142**	**1,515**	**5,257**	**7,175**	**473**	**1,249**	**817**	**2,259**	**19,884**
with inflation	**4,142**	**1,515**	**5,257**	**8,857**	**535**	**463**	**311**	**907**	**21,987**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd Corps Coordination	4,679	719	599	776	3,227	249	165	111	377	10,302
Berryessa Creek, Calaveras Blvd to Old Piedmont Rd LERRDs	1,633	1,911	2,686	1,196	5,630	286	298	200	530	11,685
TOTAL	**6,312**	**2,630**	**3,285**	**1,972**	**8,857**	**535**	**463**	**311**	**907**	**21,987**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	14,387
State of California	7,600
Total	**21,987**
Federal Partner–Corps of Engineers	19,000

OPERATING COST IMPACTS

Estimated operating impacts will be available upon completion of the planning phase.

USEFUL LIFE: 30+ Years

Project	Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard
Program	Flood Protection – Coyote Watershed
Priority No.	83
Project No.	40174004
District Contact	Katherine Oven koven@valleywater.org



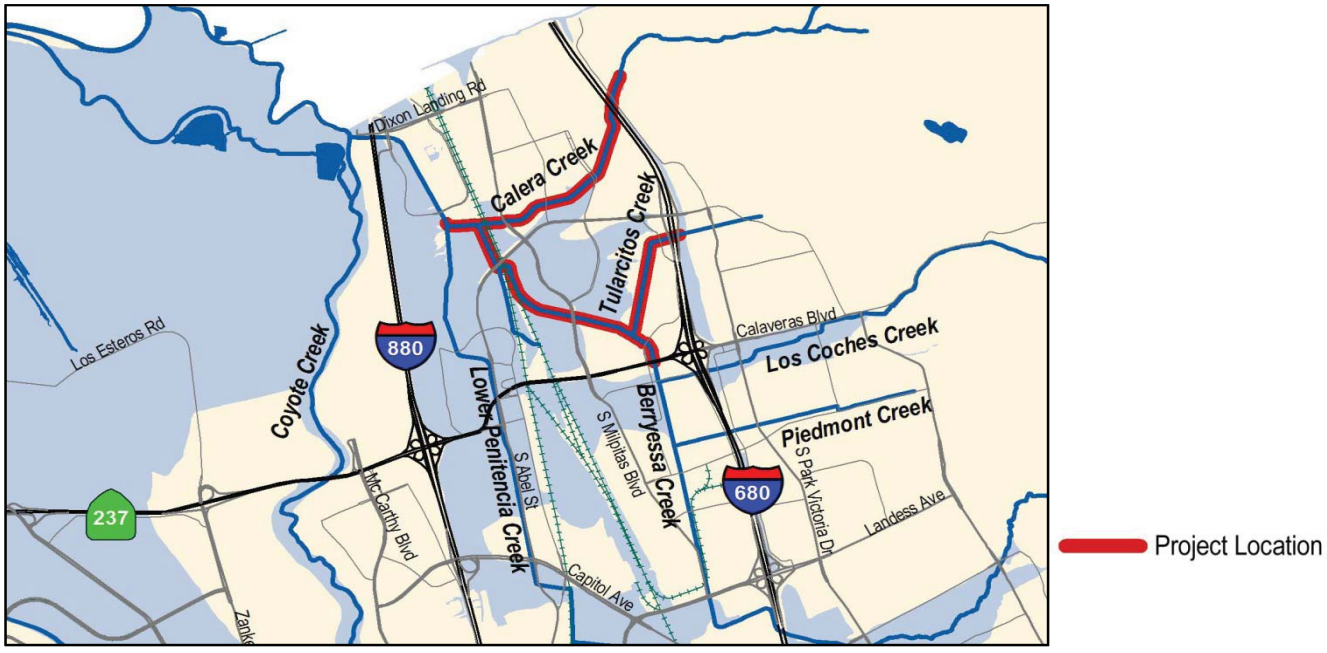
Berryessa Creek upstream of the confluence with Lower Penitencia Creek

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately 3 miles of Berryessa Creek and its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard and the lower reaches of both Calera and Tularcitos Creeks, to accomplish the following objectives:

- Provide one-percent flood protection to the surrounding area.
- Improve the structural integrity of the levees.
- Improve maintenance access and safety for District staff.
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives

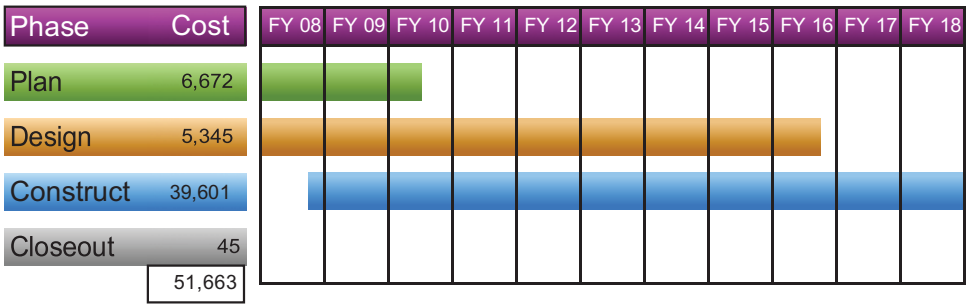
PROJECT LOCATION



SCHEDULE & STATUS

March 2001 to June 2021

Construction includes five phases and three years of plant establishment monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	6,361	4,647	16,864	3,746	5,460	425	3,350	10,810	51,663
with inflation	6,361	4,647	16,864	4,306	6,981	501	4,883	17,838	62,381

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard	12,720	7,422	9,134	7,730	4,306	6,981	501	4,883	17,838	62,381

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	62,381
Other Funding Source	0
Total	62,381

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $100,000 per year. Operating costs will increase with completion of construction of each of 5 phases: beginning with a $50,000 increase in FY 2011 (with completion of Phases 1 & 2), increasing to $65,000 in FY 2012 (Phase 3), increasing to $80,000 in FY 2014 (Phase 4), and finally increasing by a total of $100,000 in FY 2017 (Phase 5). These costs will be for increased maintenance activities such as sediment removal, vegetation management, levee maintenance, graffiti abatement, and trash & debris cleanup.

USEFUL LIFE: 30+ Years

Project	**Coyote Creek, Montague Expressway to Interstate 280**
Program	Flood Protection – Coyote Watershed
Priority No.	47
Project No.	26174043
District Contact	Katherine Oven koven@valleywater.org



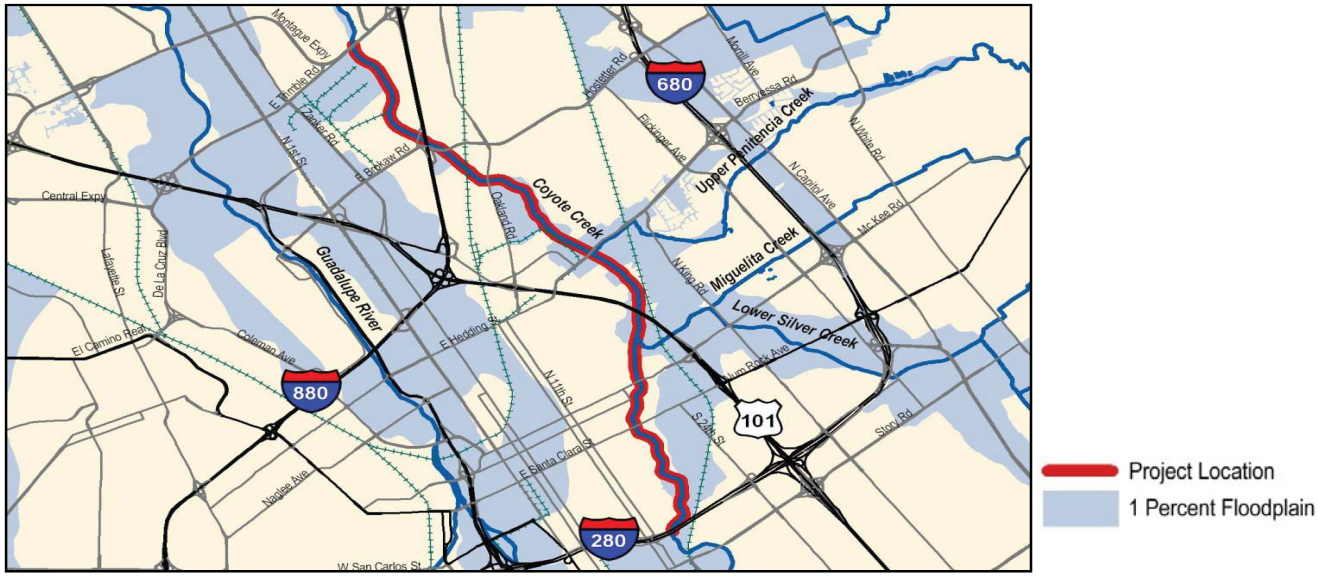
Flooding from Coyote Creek on 17th Street near downtown San Jose in January 1997

PROJECT DESCRIPTION

This project plans, designs, and partially constructs improvements along approximately 6.1 miles of Coyote Creek, from Montague Expressway to Interstate 280, to accomplish the following objectives:

- Provide flood protection to the surrounding area.
- Mitigate for project impacts to stream habitat and fisheries.
- Identify stream habitat enhancement and/or restoration opportunities.
- Identify opportunities to improve water quality within the project limits.
- Identify opportunities to provide for public recreation and access.
- Minimize the need for future operations and maintenance activities and create a self-sustaining system within the project limits.
- Obtain community support.

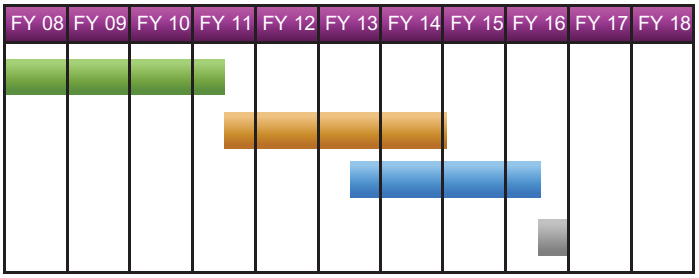
PROJECT LOCATION



SCHEDULE & STATUS

September 2002 to June 2016

Phase	Cost
Plan	9,820
Design	13,622
Construct	9,718
Closeout	60
	33,220



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Coyote Creek, Montague Expressway to Interstate 280	5,420	1,000	1,146	3,024	1,127	7,824	4,244	9,435	33,220
with inflation	5,420	1,000	1,146	3,283	1,275	10,041	5,404	13,037	40,605

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Coyote Creek, Montague Expressway to Interstate 280	6,903	2,507	2,990	0	1,439	1,275	10,041	5,404	13,037	40,605

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	40,605
Other Funding Source	0
Total	**40,605**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $100,000 per year, beginning in FY 2016. Currently the District has limited and sporadic property rights within the project limits along the creek, and ongoing maintenance costs are relatively small. Implementation will include acquisition of continuous right of way for construction and future operations and maintenance. It is anticipated that upon successful implementation of the project, significant additional operations and maintenance costs will be incurred annually.

USEFUL LIFE: 30+ Years

Project	**Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)**
Program	Flood Protection - Coyote Watershed
Priority No.	46
Project No.	40264001s
District Contact	Katherine Oven koven@valleywater.org



Lower Silver Creek upstream of San Antonio Road

PROJECT DESCRIPTION

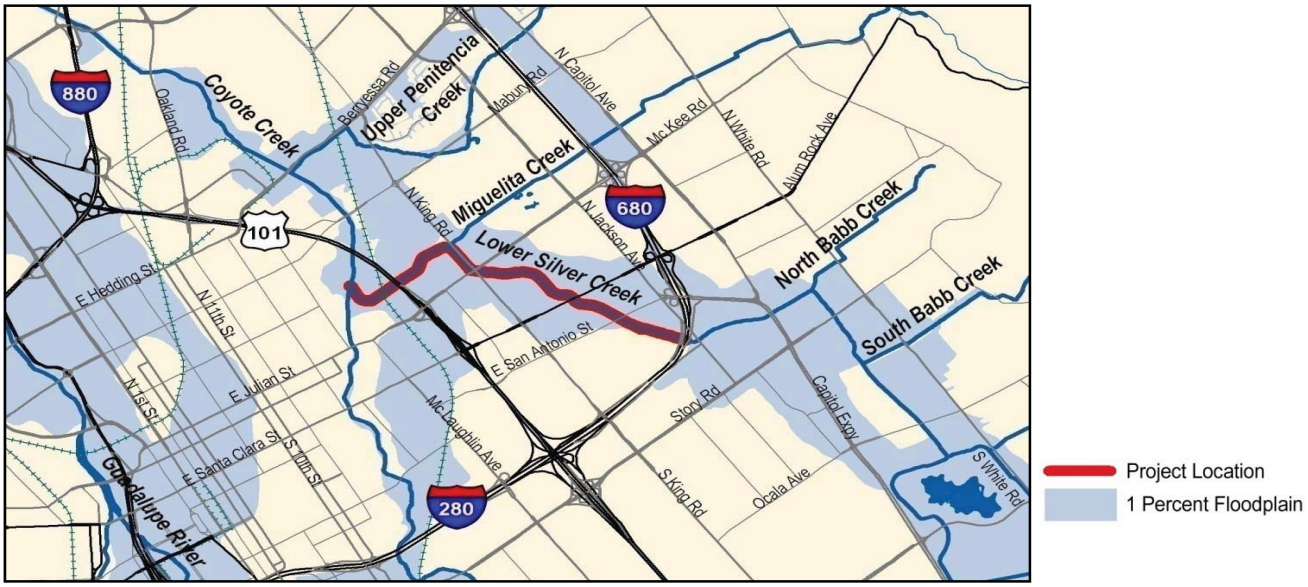
This project partners with the Natural Resource Conservation Service to plan, design, and construct improvements along approximately 2.3 miles of the Lower Silver Creek, from Coyote Creek to Interstate 680, to accomplish the following objectives:

- Provide one-percent flood protection to properties in the surrounding area.
- Provide on-site mitigation for project impacts, improve stream habitat values, and improve fisheries potential.
- Identify opportunities for additional enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve pedestrian bridges crossing Lower Silver Creek.
- Facilitate the opportunity for future pedestrian trails along Lower Silver Creek.

This project is accounted for in the following job numbers:

- 40264003—Reach 1-2, Coyote Ck to McKee Rd
- 40264001—Reach 3, McKee Rd to I-680
- 40264009—Reimbursable work—Lands, Easements, Rights of Way, Relocations, and Disposal (LERRDs)

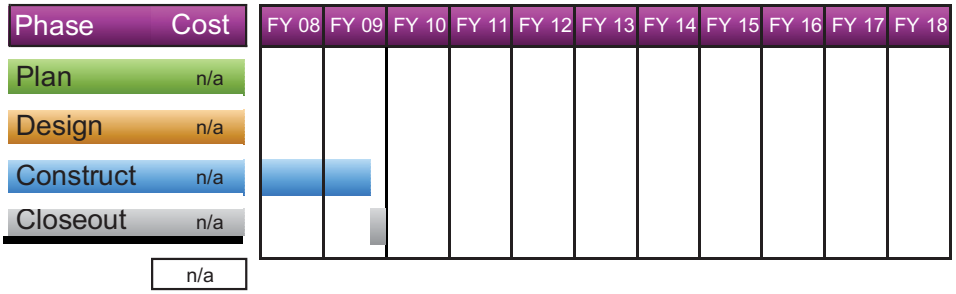
PROJECT LOCATION



PROJECT SCHEDULE

March 1990 to June 2009

Planning phase is complete. Design phase is complete. Construction of Reach 1-2 and the Reimbursable projects are complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Lower Silver Ck—Coyote Ck to McKee Rd (R1-	20,510	15	0	0	0	0	0	0	20,525
with inflation	20,510	15	0	0	0	0	0	0	20,525
Lower Silver Ck—McKee Rd to I-680 (R3)	35,178	350	64	0	0	0	0	0	35,592
with inflation	35,178	350	64	0	0	0	0	0	35,592
Lower Silver Ck—Coyote Ck to McKee Rd Reimbursable	22,634	365	0	0	0	0	0	0	22,999
with inflation	22,634	365	0	0	0	0	0	0	22,999
TOTAL	**78,322**	**730**	**64**	**0**	**0**	**0**	**0**	**0**	**79,116**
with inflation	**78,322**	**730**	**64**	**0**	**0**	**0**	**0**	**0**	**79,116**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Lower Silver Ck—Coyote Ck to McKee Rd (R1-	20,533	5	13	0	0	0	0	0	0	20,538
Lower Silver Ck—McKee Rd to I-680 (R3)	35,161	367	0	64	0	0	0	0	0	35,592
Lower Silver Ck—Coyote Ck to McKee Rd Reimbursable	22,918	167	86	0	0	0	0	0	0	23,085
TOTAL	**78,612**	**539**	**99**	**64**	**0**	**0**	**0**	**0**	**0**	**79,215**

Adjusted Budget includes adopted budget plus a planned budget adjustment for Reach 3 of $20,000. Project funding exceeds planned expenditures by approximately $99,000. Any remaining funds will go to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	75,050
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	4,000
State of California	24,278
Natural Resource Conservation Service	165
Total	**79,215**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase Reach 1-3 operations costs by approximately $100,000 per year, beginning in FY 2009. The increases are primarily due to the increase creek area (vegetation maintenance and trash removal) and the increase amount of concrete structures (graffiti removal).

USEFUL LIFE: 30+ Years

Project	Lower Silver Creek, I-680 to Cunningham Lake Reimbursable (R4-6)
Program	Flood Protection – Coyote Watershed
Priority No.	50
Project No.	40264012
District Contact	Katherine Oven koven@valleywater.org



Flooding from Lower Silver Creek in February 1969 at the future site of Lake Cunningham.

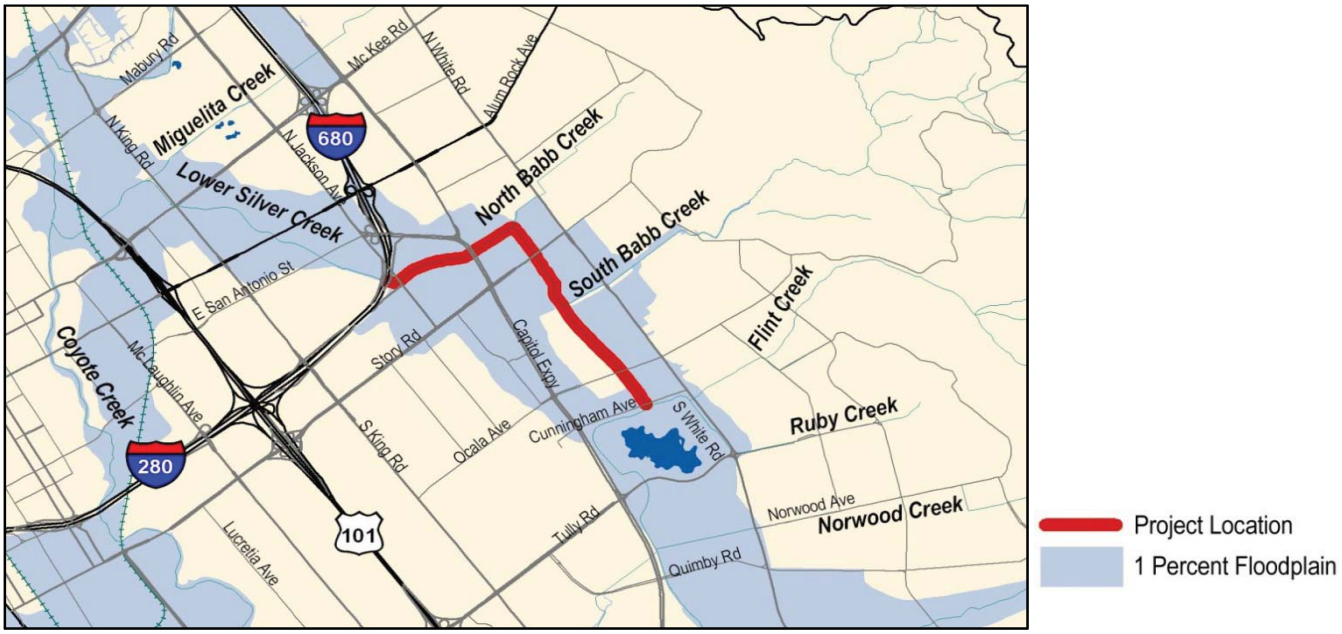
PROJECT DESCRIPTION

This project is part of a flood control project that partners with the Natural Resource Conservation Service to plan, design and construct improvements along approximately 2.3 miles of the Lower Silver Creek, from Interstate 680 to Lake Cunningham. This project includes elements that are eligible for reimbursement from the State and helps to accomplish the following objectives:

- Increase flood protection to 5,400 properties in the surrounding area.
- Allow for on-site mitigation of project impacts, and in some cases enhancement of existing habitat values by increased wetlands and riparian habitat.
- Improve vehicle and pedestrian bridges crossing Lower Silver Creek.

This project is partially funded. Elements of the project which are currently funded include design and construction of bridges at Capitol Expressway and Jackson Avenue. Other elements of the project will be added as funding, primarily from State Subventions, becomes available.

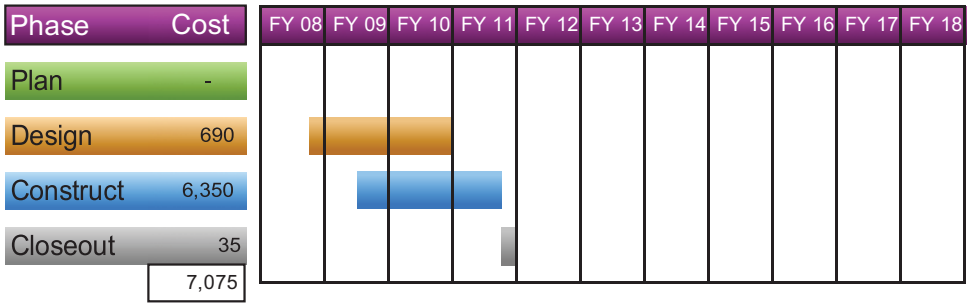
PROJECT LOCATION



SCHEDULE & STATUS

April 2008 to June 2011

Planning was done as part of the Lower Silver Reach 1-3 Project.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Lower Silver Creek, I-680 to Cunningham Lake Reimbursable (R4-6)	0	618	3,708	72	2,677	0	0	0	7,075
with inflation	0	618	4,259	78	3,457	0	0	0	8,412

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Lower Silver Creek, I-680 to Cunningham Lake Reimbursable (R4-6)	0	618	0	4,259	78	3,457	0	0	0	8,412

Adjusted Budget includes a planned budget adjustment of $618,000.

FUNDING SOURCES

(in thousands $)

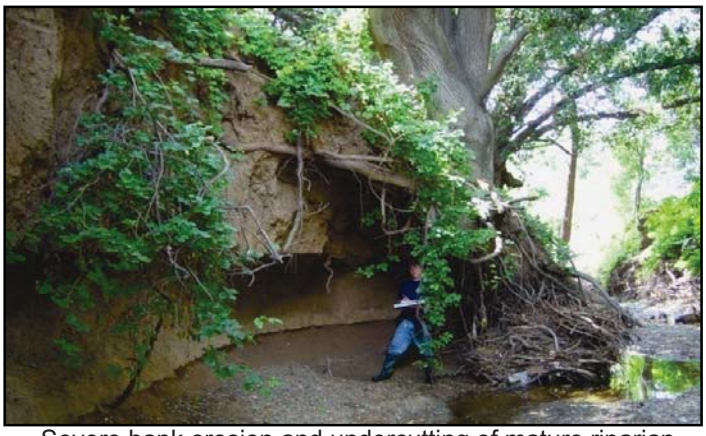
SCVWD Watershed Stream Stewardship Fund	841
State of California	7,571
Total	8,412

OPERATING COST IMPACTS

This project will be done in parts. The completion of this section of the project is not anticipated to significantly increase or decrease operating costs. The bridge at Capitol Expressway will not be put into service until channel work is done. The Jackson Avenue work replaces an existing structure with a similar structure that provides slightly better access for sedimentation removal.

USEFUL LIFE: 50+ Years

Project	**Thompson Creek Stream Stabilization, Quimby Road to Aborn**
Program	Flood Protection – Coyote Watershed
Priority No.	32
Project No.	62214001
District Contact	Katherine Oven koven@valleywater.org



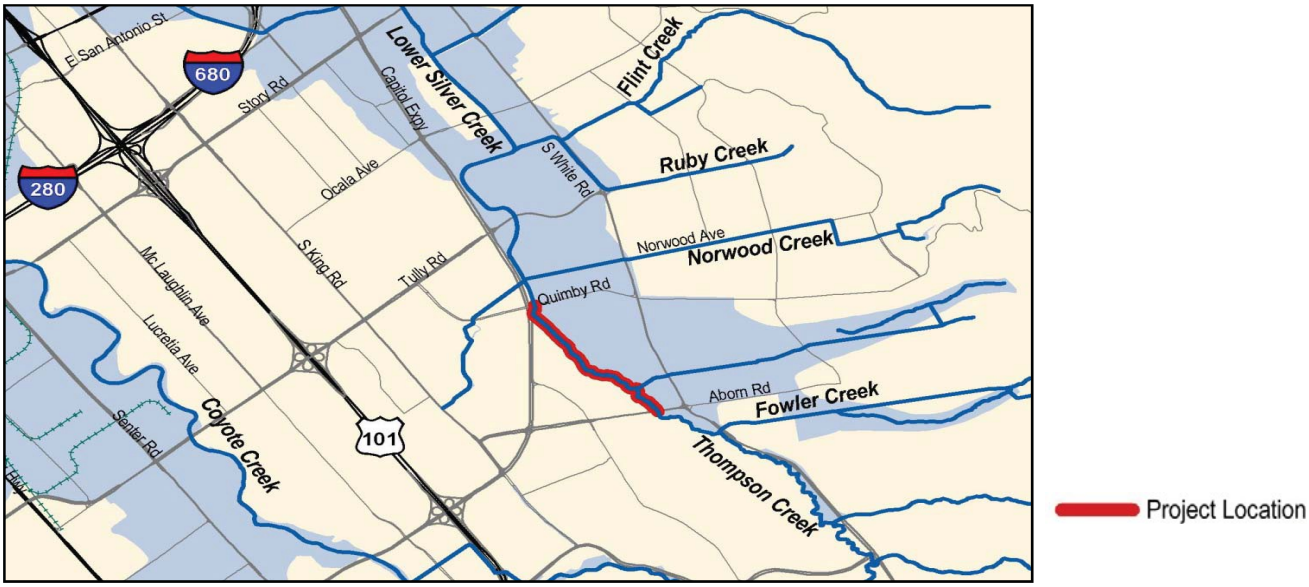
Severe bank erosion and undercutting of mature riparian habitat, results in significant sedimentation in downstream reaches of Thompson Creek.

PROJECT DESCRIPTION

This project coordinates with the U.S. Army Corps of Engineers under the Aquatic Ecosystem Restoration Program (Section 206 Program) to plan, design, and construct improvements along 1.2 miles of Thompson Creek, from Quimby Road to Aborn Road, and accomplishes the following objectives:

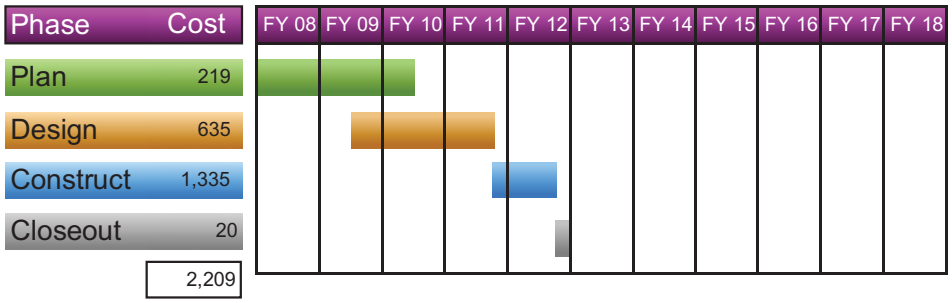
- Restore the low-flow channel to an equilibrium state.
- Restore riparian habitat adjacent to the low-flow channel.
- Improve water quality and provide diverse stream channel habitats.
- Provide erosion protection along the creek.
- Identify enhancement opportunities.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2012



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	89	9	91	114	1,781	125	0	0	2,209
with inflation	89	9	91	124	2,247	147	0	0	2,708

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,344	0	2,246	0	0	216	147	0	0	2,708

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,708
Other Funding Source	0
Total	**2,708**
Federal Partner—Corps of Engineers	4,415

Of the total project cost, the Corps of Engineers will cost-share 65 percent, up to $5 million.

OPERATING COST IMPACTS

Operating cost impacts from the construction of this project will be developed during the planning phase.

USEFUL LIFE: 30+ Years

Project	**Upper Penitencia Creek, Coyote Creek to Dorel Drive**
Program	Flood Protection – Coyote Watershed
Priority No.	54
Project No.	40324003s
District Contact	Katherine Oven koven@valleywater.org



Flooding at King Road on Upper Penitencia Creek

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the following objectives.

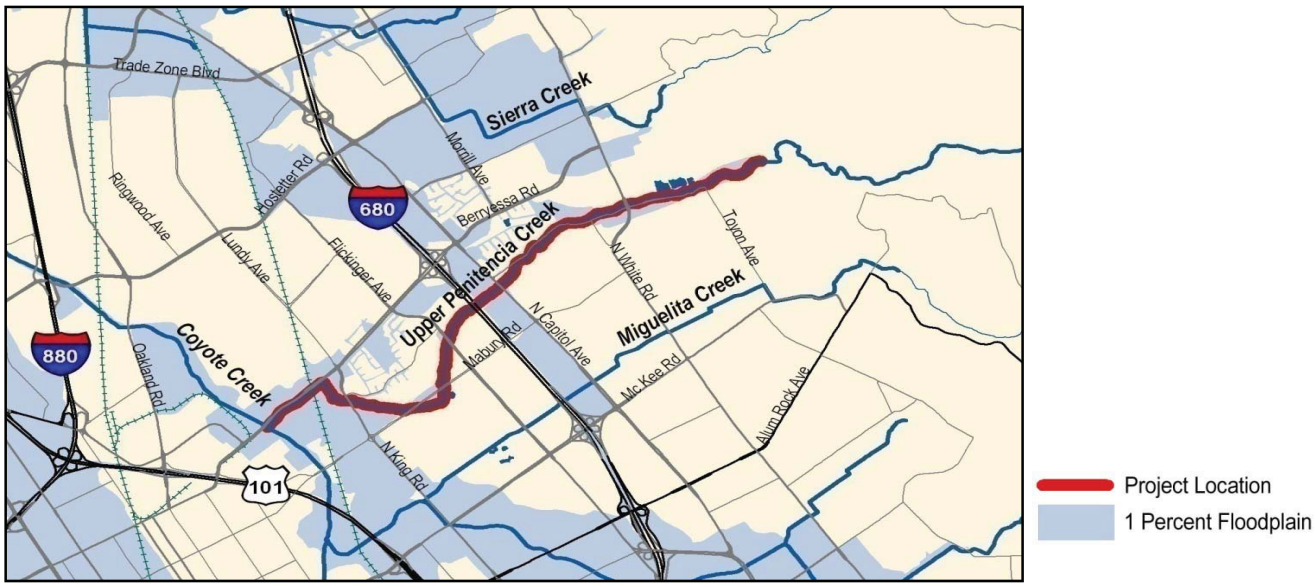
- Provide one-percent flood protection to more than 5,000 homes, businesses, and public buildings.
- Mitigate for project impacts.
- Improve stream habitat values and fisheries potential.
- Reduce sedimentation and maintenance requirements.
- Identify opportunities to integrate recreation improvements consistent with the City of San Jose's and Santa Clara County Parks' Master Plan.
- Obtain a Letter of Map Revision (LOMR) from the Federal Emergency Management Agency (FEMA).
- Incorporate the District's Clean, Safe Creeks and Natural Flood Protection (NFP) Program Objectives.

This project is accounted for in the following job numbers :

40324003—District coordination with Corps for Corps' work
40324005—District's Lands, Easements, Rights of Way, Relocation, and Disposal (LERRDs)

This project is funded through the planning phase only. The scope, schedule, costs and funding sources of the design and construction phases will be determined at the completion of the planning phase.

PROJECT LOCATION

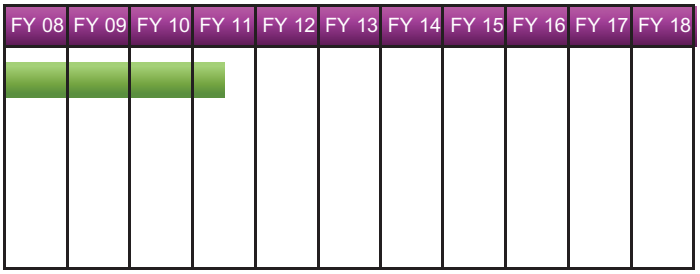


PROJECT SCHEDULE

March 1996 to December 2010

(Planning Phase Only)
Design Phase costs are for land acquisition during planning.

Phase	Cost
Plan	8,596
Design	6,419
Construct	-
Closeout	-
	15,015



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	7,530	100	314	125	125	0	0	0	8,194
with inflation	7,530	100	314	136	141	0	0	0	8,221
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	1,767	20	5,034	0	0	0	0	0	6,821
with inflation	1,767	20	5,034	0	0	0	0	0	6,821
TOTAL	**9,297**	**120**	**5,348**	**125**	**125**	**0**	**0**	**0**	**15,015**
with inflation	**9,297**	**120**	**5,348**	**136**	**141**	**0**	**0**	**0**	**15,042**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Upper Penitencia Creek, Coyote Creek to Dorel Drive, Coordination with Corps	8,166	0	536	0	0	55	0	0	0	8,221
Upper Penitencia Creek, Coyote Creek to Dorel Drive, LERRDs	6,588	30	4,831	203	0	0	0	0	0	6,821
TOTAL	**14,754**	**30**	**5,367**	**203**	**0**	**55**	**0**	**0**	**0**	**15,042**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	15,042
Other Funding Source	0
Total	**15,042**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available



Uvas/Llagas Watershed Project Pages

Project	**Llagas Ck–Lower Restore Capacity, Hwy 152 to Pajaro River**
Program	Flood Protection – Uvas/Llagas Watershed
Priority No.	67
Project No.	50284010
District Contact	Katherine Oven koven@valleywater.org



Lower Llagas Creek near Pajaro River

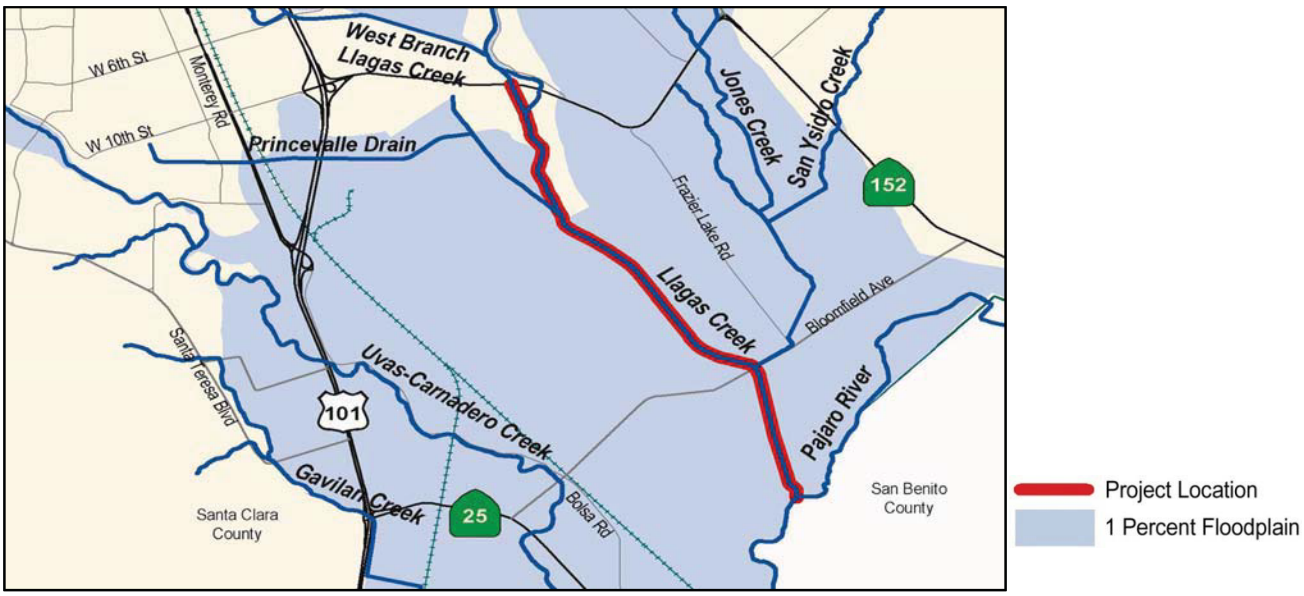
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements on approximately 3.35 miles of Lower Llagas Creek, from Hwy 152 to Pajaro River, to accomplish the following objectives:

- Restore flood capacity in Lower Llagas Creek.
- Integrate flood protection with habitat protection to satisfy Endangered Species Act regulations.
- Coordinate with South County Wastewater Authority as a principal stakeholder and water resource co-planner.

This project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for design and construction will be determined at the completion of the planning phase.

PROJECT LOCATION

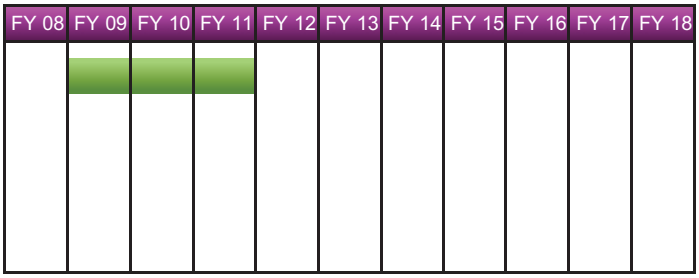


SCHEDULE & STATUS

July 2008 to June 2011

(Planning Phase Only)

Phase	Cost
Plan	2,235
Design	-
Construct	-
Closeout	-
	2,235



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Llagas Ck–Lower Restore Capacity, Hwy 152 to Pajaro River	0	0	436	1,054	745	0	0	0	2,235
with inflation	0	0	436	1,144	843	0	0	0	2,423

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Llagas Ck–Lower Restore Capacity, Hwy 152 to Pajaro River	0	0	0	436	1,144	843	0	0	0	2,423

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,423
Other Funding Source	0
Total	**2,423**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this project is not anticipated to increase or decrease annual operating

USEFUL LIFE: Not Available

Project	**Llagas Creek–Upper, Buena Vista Road to Wright Avenue**
Program	Flood Protection - Uvas/Llagas Watershed
Priority No.	59
Project No.	26174051s
District Contact	Katherine Oven koven@valleywater.org



Llagas Creek floods at Watsonville Road and the surrounding area.

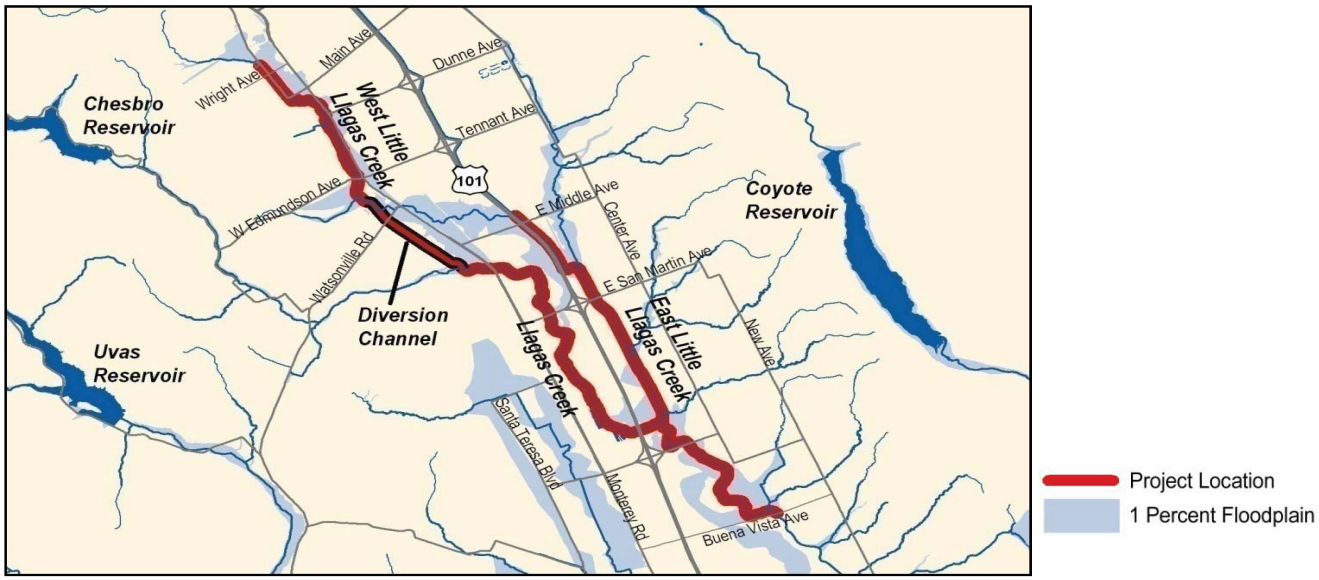
PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (Corps) to plan, design, and construct improvements on approximately 13.6 miles of Upper Llagas Creek, from Buena Vista Avenue to Wright Avenue, to provide an increased level of flood protection with adequate freeboard.

This project is accounted for in the following job numbers:

- 26174051—Reimbursable Work—Lands, Easements, Rights of Way, Relocation, and Disposal (LERRD)
- 26174052—Coordination with the Corps
- 26174053—Technical Studies

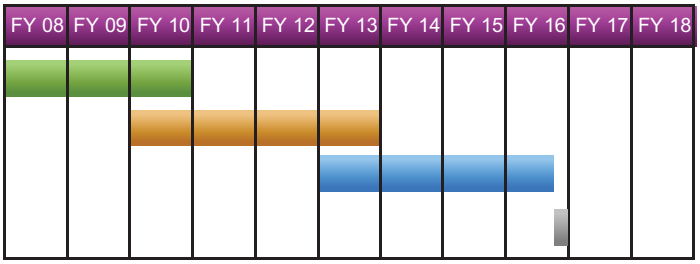
PROJECT LOCATION



PROJECT SCHEDULE

August 2000 to June 2016

Phase	Cost
Plan	5,245
Design	7,163
Construct	794
Closeout	150
	13,352



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Llagas Ck—Upper, LERRDs	4,284	1,883	2,188	585	25	0	0	0	8,965
with inflation	4,284	1,883	2,188	635	28	0	0	0	9,018
Llagas Ck—Upper, Corps Coordination	1,767	170	104	150	150	100	100	400	2,941
with inflation	1,767	170	104	163	170	118	123	539	3,154
Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	1,446
with inflation	1,446	0	0	0	0	0	0	0	1,446
TOTAL	**7,497**	**2,053**	**2,292**	**735**	**175**	**100**	**100**	**400**	**13,352**
with inflation	**7,497**	**2,053**	**2,292**	**798**	**198**	**118**	**123**	**539**	**13,618**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Llagas Ck—Upper, LERRDs	7,946	0	1,779	409	635	28	0	0	0	9,018
Llagas Ck—Upper, Corps Coordination	1,982	0	45	59	163	170	118	123	539	3,154
Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
TOTAL	**11,374**	**0**	**1,824**	**468**	**798**	**198**	**118**	**123**	**539**	**13,618**

FUNDING SOURCES

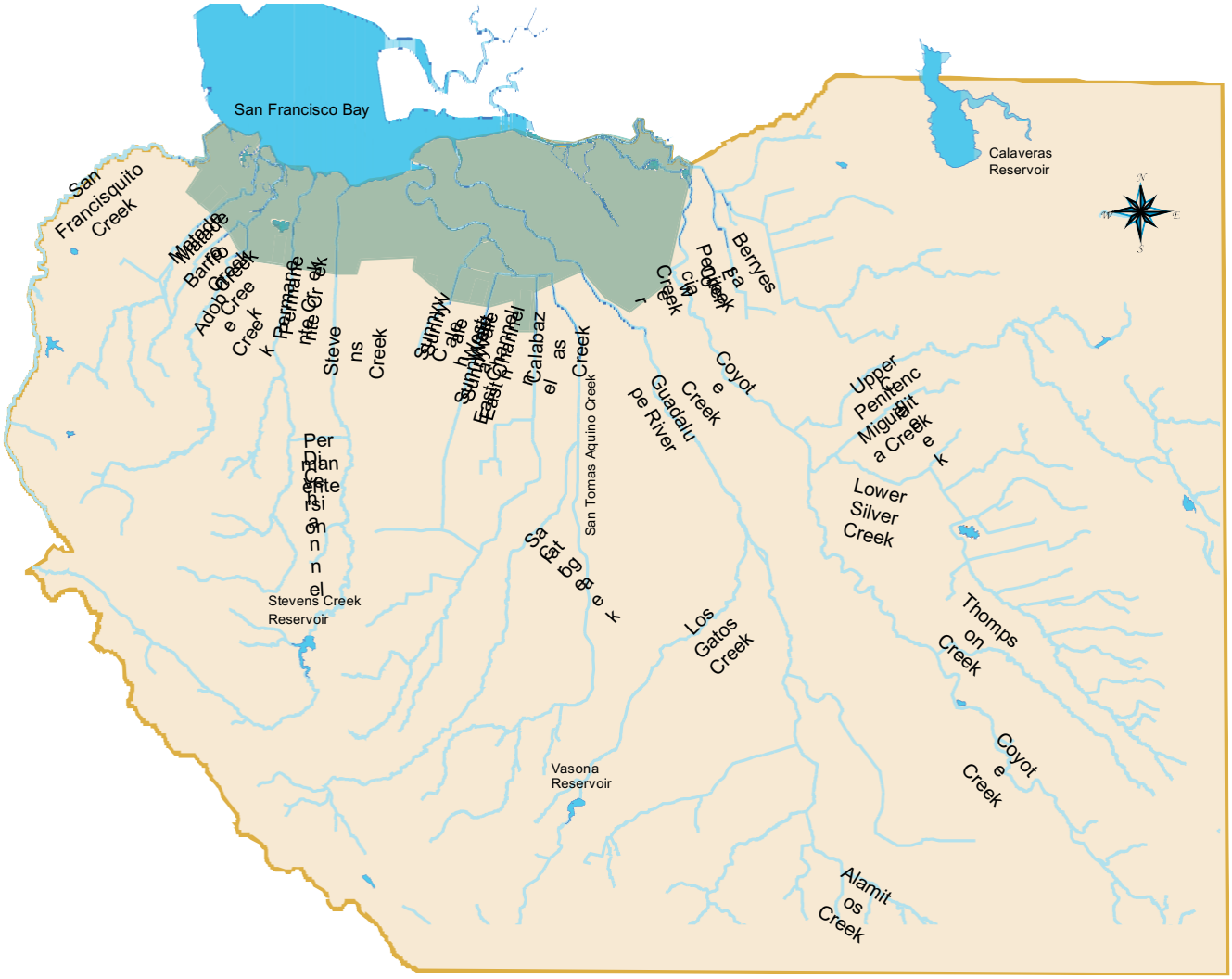
(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	6,858
State of California	6,420
City of Morgan Hill	340
Total	**13,618**
Federal Partner—Corps of Engineers	22,000

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: 30+ Years



Multiple Watersheds

Major Capital Improvements Identified

Multiple Watershed Project Pages

Project	**San Francisco Bay Shoreline**
Program	Flood Protection – Multiple Watersheds
Priority No.	54
Project No.	00044026s
District Contact	Katherine Oven koven@valleywater.org



Typical natural tidal marshland in San Francisco Bay near the Shoreline project area.

PROJECT DESCRIPTION

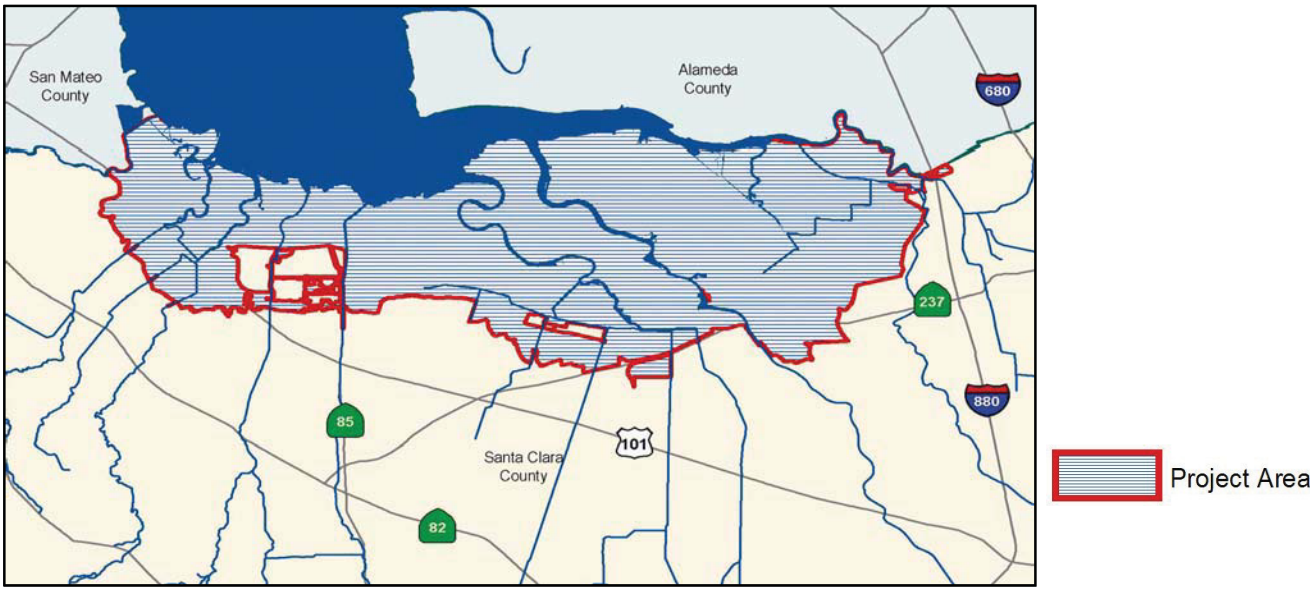
This project coordinates with the California Costal Conservancy, U.S. Army Corps of Engineers (Corps), and other project partners to plan, design, and construct improvements to the San Francisco Bay Shoreline, to accomplish the following objectives:

- Provide integrated fluvial and tidal flood protection.
- Restore and/or enhance tidal marsh and related habitats.
- Provide recreational and public access opportunities throughout the tidal floodplain of Santa Clara County.
- Pursue continued federal funding.

This project is accounted for in the following job numbers :
00044026—San Francisco Bay Shoreline 62044042—
Early Shoreline Implementation Feasibility

The project is currently funded for the planning phase only. The scope, schedule, costs and funding sources for the design phase and construction phase will be determined at the completion of the planning phase.

PROJECT LOCATION

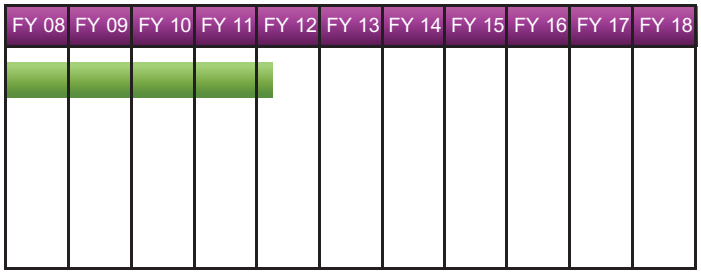


PROJECT SCHEDULE

July 2003 to August 2011

(Planning Phase Only)

Phase	Cost
Plan	11,885
Design	-
Construct	-
Closeout	-
	11,885



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Francisco Bay Shoreline	5,401	2,147	2,728	732	275	25	0	0	11,308
with inflation	5,401	2,147	2,728	795	311	29	0	0	11,411
Early Shoreline Implementation Feasibility	0	0	77	0	0	0	0	0	77
with inflation	0	0	77	0	0	0	0	0	77
TOTAL	**5,401**	**2,147**	**2,805**	**732**	**275**	**25**	**0**	**0**	**11,385**
with inflation	**5,401**	**2,147**	**2,805**	**795**	**311**	**29**	**0**	**0**	**11,488**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
San Francisco Bay Shoreline	6,733	2,065	1,250	1,478	795	311	29	0	0	11,411
Early Shoreline Implementation Feasibility	0	0	0	77	0	0	0	0	0	77
TOTAL	**6,733**	**2,065**	**1,250**	**1,555**	**795**	**311**	**29**	**0**	**0**	**11,488**

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	9,477
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
Total	**11,488**

OPERATING COST IMPACTS

Planning Phase Only: The completion of this phase of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available

MITIGATION CAPITAL IMPROVEMENTS

MITIGATION OVERVIEW

The District manages many mitigation sites and continues to plan, design, and construct new mitigation sites to fulfill CEQA and regulatory permit requirements and meet the Board's End Policy E–3.1, "Mitigations are implemented to protect watersheds, streams, and the natural resources therein."



Major Capital Improvements Identified in the CIP

- Projects to mitigate environmental impacts resulting from stream maintenance activities
- Projects to mitigate environmental impacts resulting from the treatment plant improvement projects

PRIORITY PROCESS AND FINANCIAL ANALYSIS

Implementation of the mitigation projects is considered non-discretionary since they are needed to meet California Environmental Quality Act (CEQA) or regulatory permits commitments approved by the Board. Funding for mitigation projects are allocated without a prioritization process.



MITIGATION CAPITAL IMPROVEMENTS

The following table is a project funding schedule for mitigation capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2007-08.

Mitigation Capital Improvements ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
SMP Mitigation, Carnadero Preserve	3,532	227	314	-	-	-	-	-	-	3,759
SMP Mitigation, Coyote Parkway Freshwater Wetland	6,886	153	-	188	195	-	-	-	-	7,422
SMP Mitigation, Laguna Seca Freshwater Wetland	-	1,367	1,028	-	17,221	775	305	225	502	20,395
SMP Mitigation, Pajaro Basin Freshwater Wetland	3,282	1,207	87	101	195	204	-	-	-	4,989
SMP Mitigation, Stream and Watershed Land Preservation	8,601	1,784	5,835	-	-	-	985	61	-	11,431
WTIP Mitigation, PWTP Landscape Improvements	4,771	918	-	26	-	-	-	-	-	5,715
TOTAL	27,072	5,656	7,264	315	17,611	979	1,290	286	502	53,711

FY 2007-08 Funds to be reappropriated

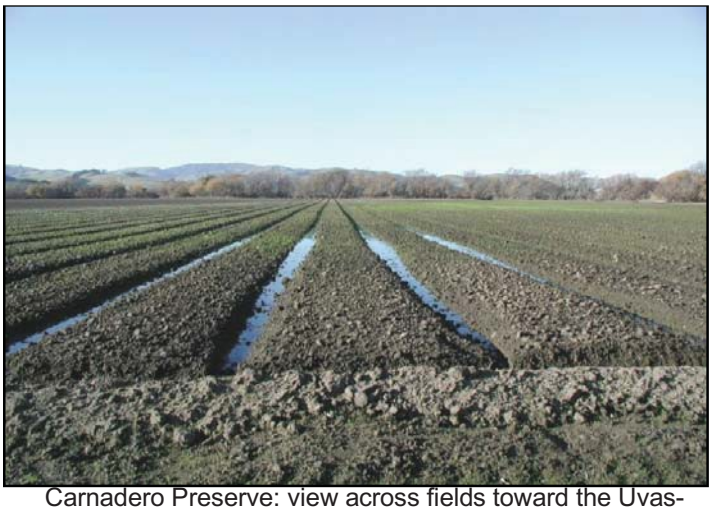
The following table shows funding requirements from each funding source for mitigation capital improvements.

Mitigation – Funding Sources ($K)

FUNDING SOURCES	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Water Enterprise Fund	4,771	918	-	26	-	-	-	-	-	5,715
Watershed Stream Stewardship Fund	22,301	4,738	7,264	289	17,611	979	1,290	286	502	47,996
TOTAL	27,072	5,656	7,264	315	17,611	979	1,290	286	502	53,711

FY 2007-08 Funds to be reappropriated

Project	**SMP Mitigation, Carnadero Preserve**
Program	Mitigation
Priority No.	99
Project No.	62184041
District Contact	Katherine Oven koven@valleywater.org



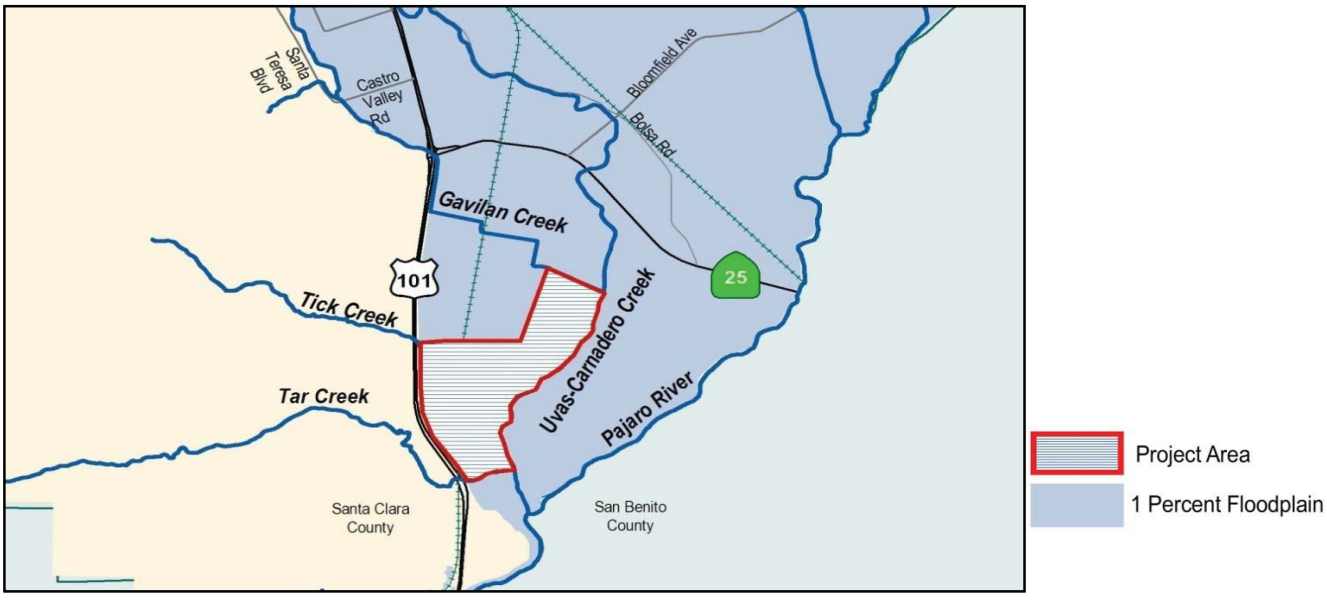
Carnadero Preserve: view across fields toward the Uvas-Carnadero Creek.

PROJECT DESCRIPTION

This project purchases and manages the Carnadero Preserve, located between Uvas-Carnadero Creek and Highway 101, encompassing areas around the confluences with Pajaro River and with Tick and Tar Creeks, to accomplish the following objectives:

- Obtain Stream and Watershed Protection Program mitigation credits as defined under the District's Stream Maintenance Program (SMP) for the Pajaro Basin, which allows for the District to perform necessary flood protection work in county waterways.
- Identify and develop opportunities for potential wetland and riparian improvements or enhancement of the site for ecosystem and water quality benefits.
- Coordinate with the Pajaro Wetlands project located within the preserve.

PROJECT LOCATION

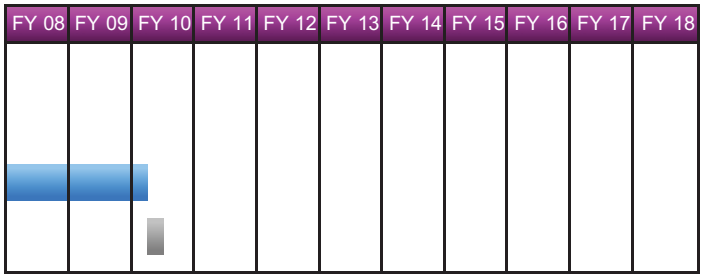


SCHEDULE & STATUS

April 2003 to December 2009

Planning phase is complete.
Design phase is complete.

Phase	Cost
Plan	500
Design	2,795
Construct	420
Closeout	25
	3,740



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Carnadero Preserve	3,295	150	270	25	0	0	0	0	3,740
with inflation	3,295	150	270	27	0	0	0	0	3,742

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Carnadero Preserve	3,532	227	314	0	0	0	0	0	0	3,759

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds planned expenditures by approximately $17,000. Excess funding will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	3,759
Other Funding Source	0
Total	**3,759**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase annual operating costs by approximately $50,000 per year, beginning in FY 2010 for the first two years and then will be reduced to an increase of approximately $7,500 per year. Cost increases are for vegetation management and monitoring of mitigation commitments.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Coyote Parkway Freshwater Wetland**
Program	Mitigation
Priority No.	99
Project No.	62184002
District Contact	Katherine Oven koven@valleywater.org



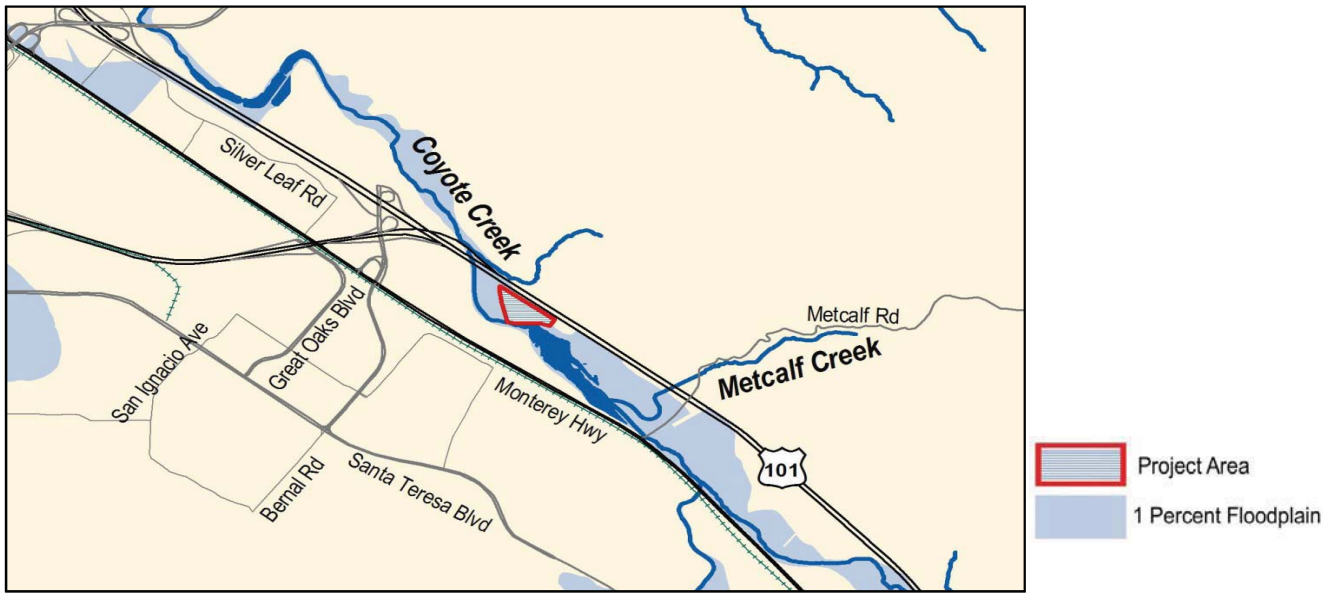
Coyote Parkway Project Site (looking North)

PROJECT DESCRIPTION

This project plans, designs, and constructs a freshwater wetland basin at the Coyote Parkway Lakes area, near Monterey Road and southeast of the Highway 101 and Highway 85 interchange in San Jose, to accomplish the following objectives:

- Meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Santa Clara Basin.
- Provide 7 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

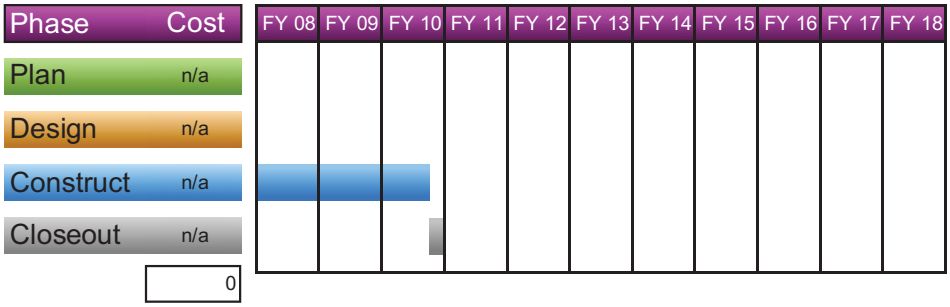
PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to June 2010

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Coyote Parkway Freshwater Wetland	6,859	180	188	180	0	0	0	0	7,407
with inflation	6,859	180	188	195	0	0	0	0	7,422

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Coyote Parkway Freshwater Wetland	6,886	153	0	188	195	0	0	0	0	7,422

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	7,422
Other Funding Source	0
Total	**7,422**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $50,000 per year, beginning in FY 2011, for managing the water level, removing invasive vegetation, maintaining outlet and inlet structures, and monitoring plant establishment.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Laguna Seca Freshwater Wetland**
Program	Mitigation
Priority No.	99
Project No.	00044030
District Contact	Katherine Oven koven@valleywater.org



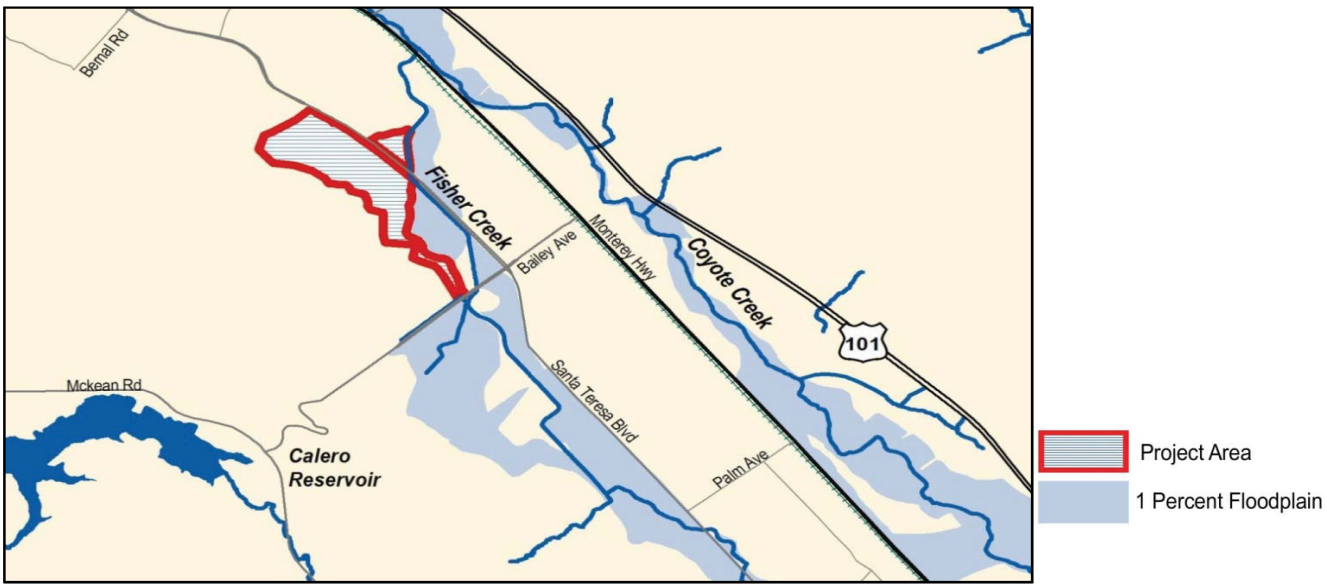
Ponding at Laguna Seca Wetland Site in February 2007

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Coyote Valley Research Park detention basin, formerly known as the Laguna Seca wetland site (located in San Jose, where Fisher Creek intersects Santa Teresa Boulevard, north of Bailey Avenue) to accomplish the following objectives:

- Meet the regulatory mitigation requirements for implementation of the Stream Maintenance Program (SMP) to allow the District to continue maintaining flood protection for Santa Clara Valley residents.
- Create approximately 30 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.

PROJECT LOCATION

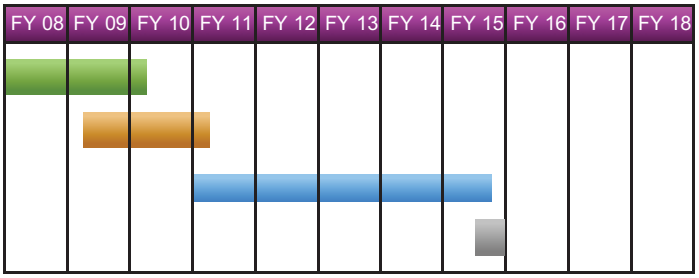


SCHEDULE & STATUS

July 2007 to June 2015

Construction Phase includes 3 years of mitigation compliance monitoring.

Phase	Cost
Plan	850
Design	1,572
Construct	14,402
Closeout	40
	16,864



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Laguna Seca Freshwater Wetland	0	339	951	14,063	685	259	183	384	16,864
with inflation	0	339	951	17,298	775	305	225	502	20,395

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Laguna Seca Freshwater Wetland	0	1,367	1,028	0	17,221	775	305	225	502	20,395

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	20,395
Other Funding Source	0
Total	**20,395**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be available upon completion of the planning study.

USEFUL LIFE: 50+ Years

Project	**SMP Mitigation, Pajaro Basin Freshwater Wetland**
Program	Mitigation
Priority No.	99
Project No.	62754001
District Contact	Katherine Oven koven@valleywater.org



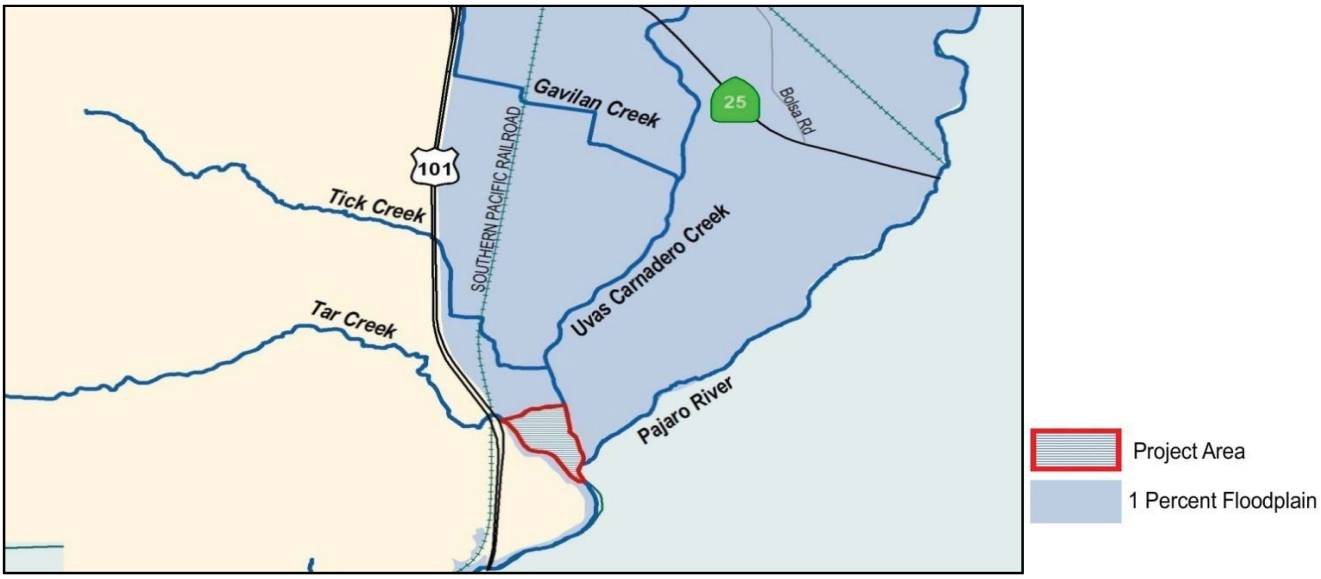
Uvas-Carnadero Creek flooding the proposed wetland site

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to create a freshwater wetland in the Pajaro Basin. The project is located on the District's Carnadero Preserve, approximately two miles south of Gilroy. The project will accomplish the following objectives:

- Provide freshwater wetland habitat to meet the District's mitigation requirements for the Multi-Year Stream Maintenance Program (SMP) in the Pajaro Basin.
- Provide 4 acres of freshwater wetland habitat to support local wetland-related plants and wildlife.
- Identify possible enhancement opportunities for presentation to the Board of Directors.

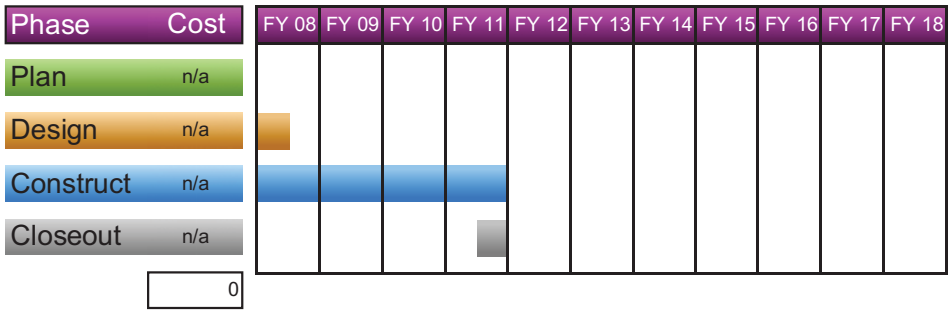
PROJECT LOCATION



SCHEDULE & STATUS

July 2002 to June 2011

Planning phase is complete. Construction includes 5 years of mitigation compliance monitoring.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures						Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Pajaro Basin Freshwater Wetland	1,964	2,438	188	180	180	0	0	0	4,950
with inflation	1,964	2,438	188	195	204	0	0	0	4,989

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Mitigation, Pajaro Basin Freshwater Wetland	3,282	1,207	87	101	195	204	0	0	0	4,989

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	4,989
Other Funding Source	0
Total	**4,989**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $48,000 per year, beginning in FY 2012, for removing invasive vegetation and monitoring plant establishment.

USEFUL LIFE: 50+ Years

Project	**SMP Stream and Watershed Land Preservation**
Program	Mitigation
Priority No.	99
Project No.	62184001
District Contact	Katherine Oven koven@valleywater.org



Creek-side settings such as this will be used for Stream and Watershed Land Preservation. Actual locations will differ.

PROJECT DESCRIPTION

This project preserves streams and watershed lands in the Santa Clara Basin and implements appropriate restorations in these lands to accomplish the following objectives:

- Provide 71 acres of Stream Maintenance Program (SMP) mitigation credits through preservation of approximately 720 to 950 acres of streams and watershed lands to provide long-term protection of unique and valuable local stream resources and watersheds, in a largely self-sustaining setting. Approximately 108 acres of the total land preservation will be for protection of riparian and upland habitats that are known to support California red-legged frogs and Western pond turtles.
- Provide approximately 10 acres of SMP mitigation credits through environmental restoration on the lands acquired.
- Seek opportunities to partner with other organizations to accomplish the project objectives.

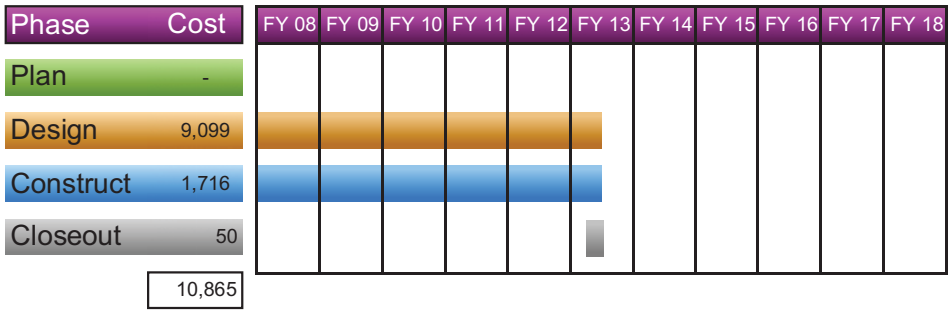
PROJECT LOCATION

The project will purchase multiple sites for preservation in Santa Clara Basin as they become available. No map is provided.

SCHEDULE & STATUS

April 2004 to December 2012

Due to the nature of this project, traditional planning is not applicable. Land acquisition is shown in the design phase, with restoration of site habitat shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Stream and Watershed Land Preservation	1,913	2,687	1,615	1,550	1,550	1,500	50	0	10,865
with inflation	1,913	2,687	1,615	1,683	1,754	1,768	61	0	11,481

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
SMP Stream and Watershed Land Preservation	8,601	1,784	5,785	0	0	0	1,035	61	0	11,481

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	11,481
Other Funding Source	0
Total	**11,481**

OPERATING COST IMPACTS

Operating cost will vary, depending on the type of acquisition ownership and requirements for maintenance of each site. The Stevens Canyon Ranch Conservation Easement was acquired in December 2006 and there are no operating impacts to the District. The property owner, Mid-Peninsula Regional Open Space District is responsible for maintenance and management of the site.

USEFUL LIFE: 50+ Years

Project	**WTIP Mitigation, PWTP Landscape Improvements**
Program	Mitigation
Priority No.	99
Project No.	93234037
District Contact	Michael Hamer mhamer@valleywater.org

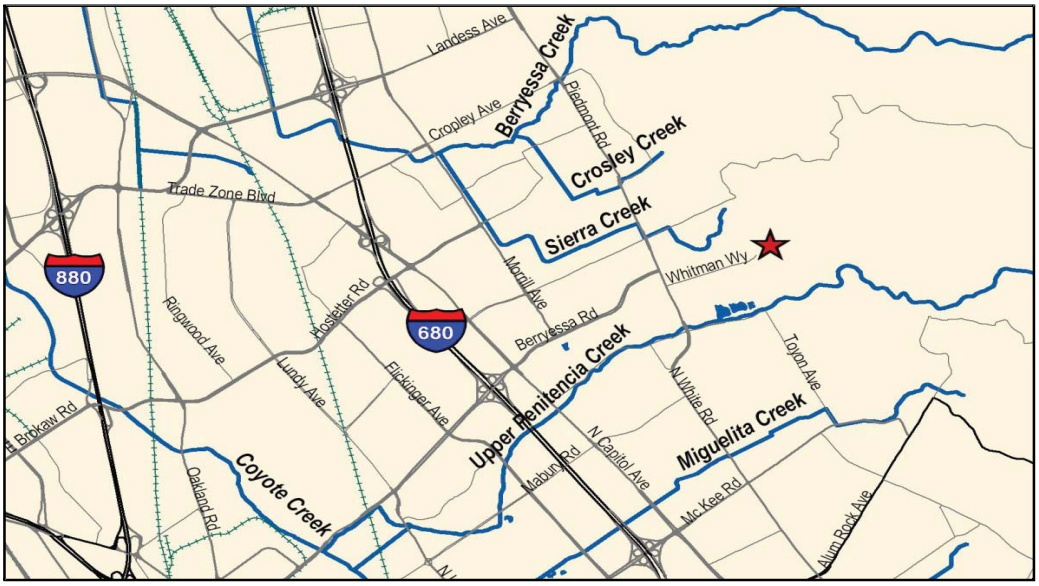


The new main entrance to Penitencia Water Treatment Plant, where this project has enhanced the appearance of the plant with new landscaping and architectural features

PROJECT DESCRIPTION

This project plans, designs and constructs landscaping and aesthetic improvements at the Penitencia Water Treatment Plant (PWTP) to comply with the California Environmental Quality Act (CEQA) mitigation measures specified in the Board-adopted Mitigated Negative Declaration for the Water Treatment Improvement Program

PROJECT LOCATION

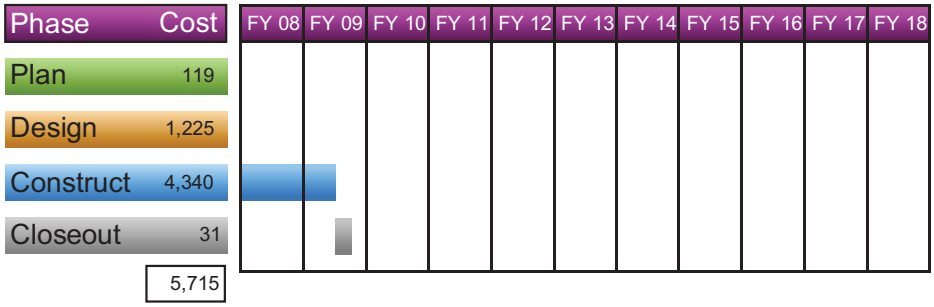


★ Project Location

SCHEDULE & STATUS

July 2003 to March 2009

Planning phase is complete.
Design phase is complete.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
WTIP Mitigation, PWTP Landscape Improvements	4,937	752	26	0	0	0	0	0	5,715
with inflation	4,937	752	26	0	0	0	0	0	5,715

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
WTIP Mitigation, PWTP Landscape Improvements	4,771	918	0	26	0	0	0	0	0	5,715

Adjusted Budget includes adopted budget plus a planned budget adjustment of $626,000 from reserves.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	5,715
Other Funding Source	0
Total	**5,715**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $12,000 per year, beginning in FY 2009, for planned increases in the landscape maintenance contract.

USEFUL LIFE: 50+ Years

ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

ENVIRONMENTAL ENHANCEMENT OVERVIEW

The environmental enhancement capital improvements are implemented to meet the Board's Ends Policy E–3.3, "Environmental enhancements are implemented to improve watersheds, streams, and the natural resources therein."

The District's Clean, Safe Creeks and Natural Flood Protection Program, approved by the voters of Santa Clara County in 2000, committed funding for environmental enhancement activities that create or restore tidal or riparian habitat. A selection process is conducted biannually to allocate the Clean, Safe Creeks funding to the enhancement opportunities that meet Board-defined characteristics.

Other enhancement opportunities, typically not funded by the Clean, Safe Creeks Program are also recommended to the Board and implemented if determined appropriate by the Board.

In both cases, the approved opportunities include both capital projects and operational activities. The capital projects are included in the CIP.

Major Capital Improvements Identified in CIP

- Clean, Safe Creeksenvironmental enhancement capital projects
- Alviso Slough Restoration project
- Gold Street Education Center project
- Jacques Gulch

PRIORITY PROCESS AND FINANCIAL ANALYSIS

Environmental enhancement projects are implemented at the discretion of the Board. Projects may go through a ranking process to compete for CSC funds or the board may direct that other available revenue be used to implement the proposed projects. The projects included in the Fiscal Year 2008-09 CIP have been approved by the Board.

Financial analysis of the following funding sources for environmental enhancement capital improvements was conducted to determine if there are limitations to funding currently planned capital projects.

- Watershed and Stream Stewardship Fund
- Clean Safe Creek Fund
- Water Enterprise Fund

Funding needs for approved environmental enhancement projects can be met.



ENVIRONMENTAL ENHANCEMENT CAPITAL IMPROVEMENTS

The following table is a project funding schedule for environmental enhancement capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2007-08.

Environmental Enhancement Capital Improvements ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Alviso Slough Restoration	2,101	484	186	-	-	-	-	-	-	2,585
CSC Soap Lake Floodplain Property Acquisition	2	248	236	-	-	-	-	-	-	250
CSC Stevens Creek Corridor Restoration, Blackberry Farms	300	618	43	-	2	-	-	-	-	920
FAHCE Stevens Creek Fish Passage Enhancement	-	-	-	845	2,314	2,589	5,689	4,089	-	15,526
Gold Street Educational Center	106	295	287	153	186	-	-	-	-	740
Jacques Gulch Restoration	2,063	47	79	6,961	402	282	-	-	-	9,755
Pond A8 Applied Study Final Design & Construction	-	-	-	3,033	570	-	-	-	-	3,603
TOTAL	4,572	1,692	831	10,992	3,474	2,871	5,689	4,089	-	33,379

FY 2007-08 Funds to be reappropriated

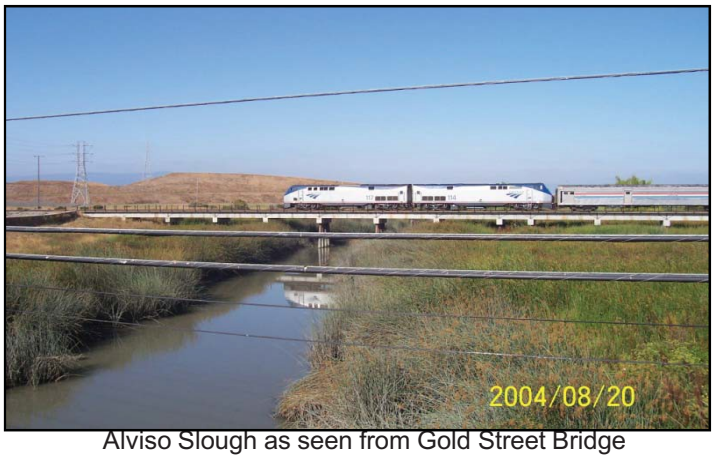
The following table shows funding requirements from each funding source for environmental enhancement capital improvements.

Environmental Enhancement - Funding Sources ($K)

FUNDING SOURCES	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Water Enterprise Fund	2,063	47	79	7,722	2,485	2,612	5,120	3,680	-	23,728
Watershed Stream Stewardship Fund	2,207	779	473	3,271	987	259	569	409	-	8,481
Clean, Safe Creeks and Natural Flood Protection Fund	302	866	279	-	2	-	-	-	-	1,170
TOTAL	4,572	1,692	831	10,992	3,474	2,871	5,689	4,089	-	33,379

FY 2007-08 Funds to be reappropriated

Project	**Alviso Slough Restoration**
Program	Environmental Enhancement
Priority No.	99
Project No.	30154029
District Contact	Katherine Oven koven@valleywater.org



Alviso Slough as seen from Gold Street Bridge

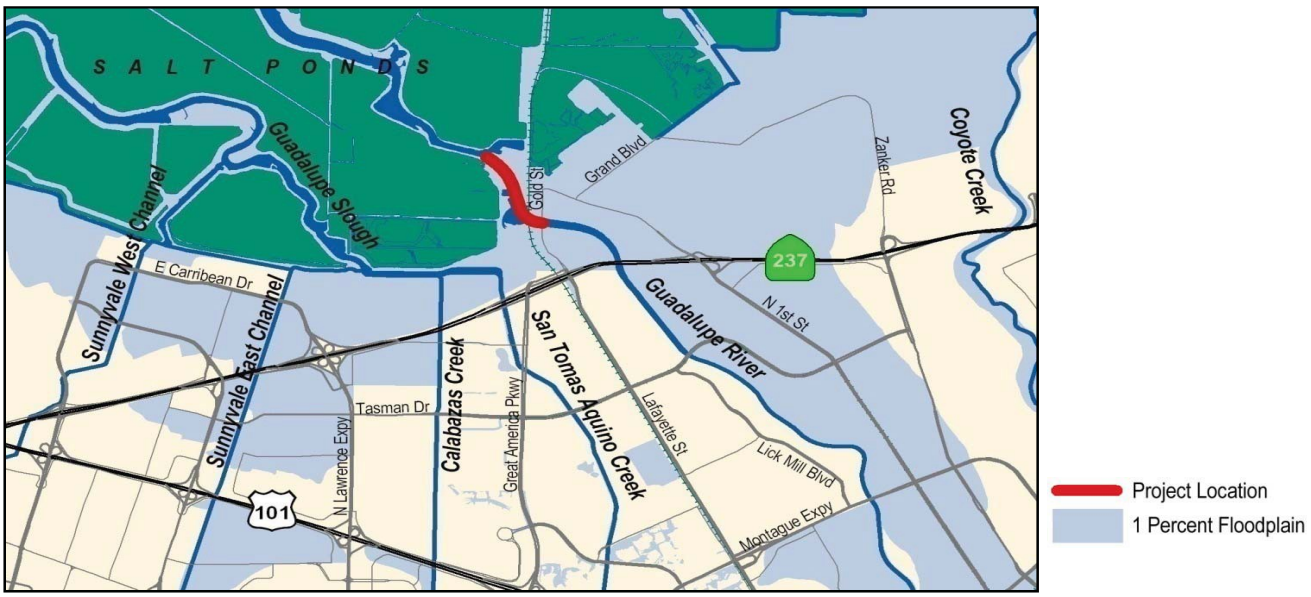
PROJECT DESCRIPTION

This project plans, designs and constructs improvements to remove 7 acres of vegetation and root mass from Alviso Slough between the Gold Street Bridge and County Marina to accomplish the following objectives:

- Restore the slough's open water channel width to conditions that existed prior to 1983.
- Improve navigation so the community can expand on boating and other recreational opportunities.
- Restore historic and public access and aesthetics for the Alviso community.
- Maintain one-percent flood protection in Alviso Slough.
- Reduce mosquito nuisance.
- Expand open water habitat and inundated mudflat habitat of the slough.
- Promote integration with the Salt Pond Restoration Program to bring salt water connections to the Lower Guadalupe River.

This project is currently funded for the planning phase only. The scope, schedule , costs and funding sources for the design phase and construction phase will be determined upon completion of the planning phase.

PROJECT LOCATION

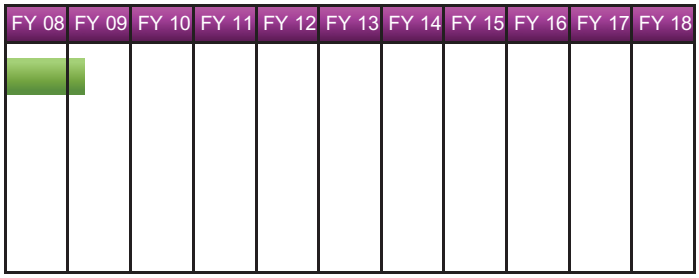


SCHEDULE & STATUS

November 2004 to August 2008

(Planning Phase Only)

Phase	Cost
Plan	2,555
Design	-
Construct	-
Closeout	-
	2,555



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Alviso Slough Restoration	2,139	260	156	0	0	0	0	0	2,555
with inflation	2,139	260	156	0	0	0	0	0	2,555

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Alviso Slough Restoration	2,101	484	186	0	0	0	0	0	0	2,585

Adjusted Budget includes adopted budget plus approved budget adjustments. Total available funding is $30,000 more than planned expenditure. Unspent budget will roll to reserves at the end of the project.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,585
Other Funding Source	0
Total	**2,585**

OPERATING COST IMPACTS

Operating cost impacts will be determined during the planning phase.

USEFUL LIFE: Not Available

Project	**CSC Soap Lake Floodplain Property Acquisition**
Program	Environmental Enhancement
Priority No.	99
Project No.	26074009
District Contact	Marc Klemencic mklemencic@valleywater.org

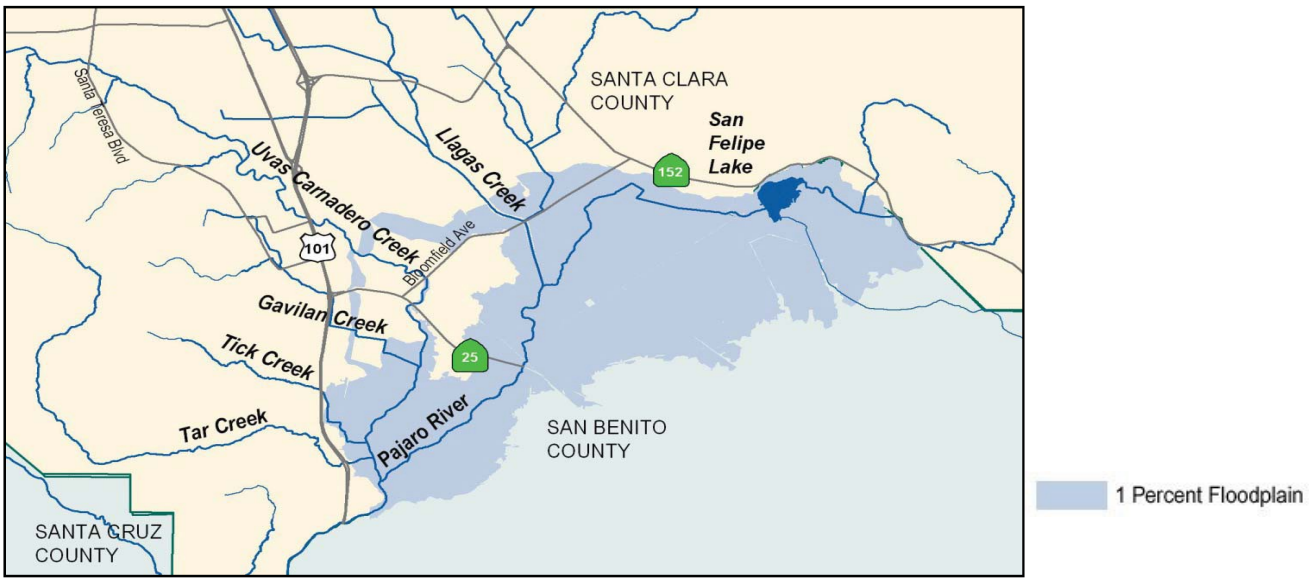
No Picture Available

PROJECT DESCRIPTION

This project partners with various regional stakeholders to acquire easements or property as recommended by the Pajaro River Flood Prevention Authority's Soap Lake Preservation Project to accomplish the following objectives:

- Secure development rights to prevent development and preserve the Pajaro River floodplain referred to as the Soap Lake floodplain.
- Implement environmental, floodplain, and water quality measures, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Program Environmental Enhancement Program (EEP) Outcome #3 objective: Create wetlands, riparian habitat, an

PROJECT LOCATION

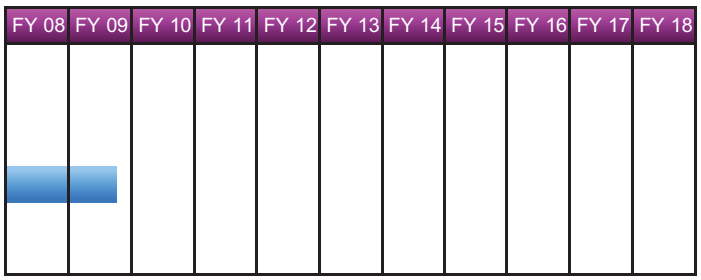


SCHEDULE & STATUS

July 2007 to September 2008

Schedule for this project is dependent on availability of willing sellers. Property acquisition is shown in the construction phase. Planning and design phases are not applicable.

Phase	Cost
Plan	n/a
Design	n/a
Construct	246
Closeout	4
	250



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
CSC Soap Lake Floodplain Property Acquisition	0	14	236	0	0	0	0	0	250
with inflation	0	14	236	0	0	0	0	0	250

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
CSC Soap Lake Floodplain Property Acquisition	2	248	236	0	0	0	0	0	0	250

Adjusted Budget includes adopted budget plus a planned budget adjustment of -$7,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement	250
Other Funding Source	0
Total	**250**

OPERATING COST IMPACTS

Since the District is not likely to hold title on the properties acquired, the completion of this project is not anticipated to increase or decrease annual operating costs.

USEFUL LIFE: Not Available

Project	**CSC Stevens Creek Corridor Restoration**
Program	Environmental Enhancement
Priority No.	99
Project No.	26074008
District Contact	Beau Goldie bgoldie@valleywater.org



Stevens Creek, looking downstream, near McClellan Ranch

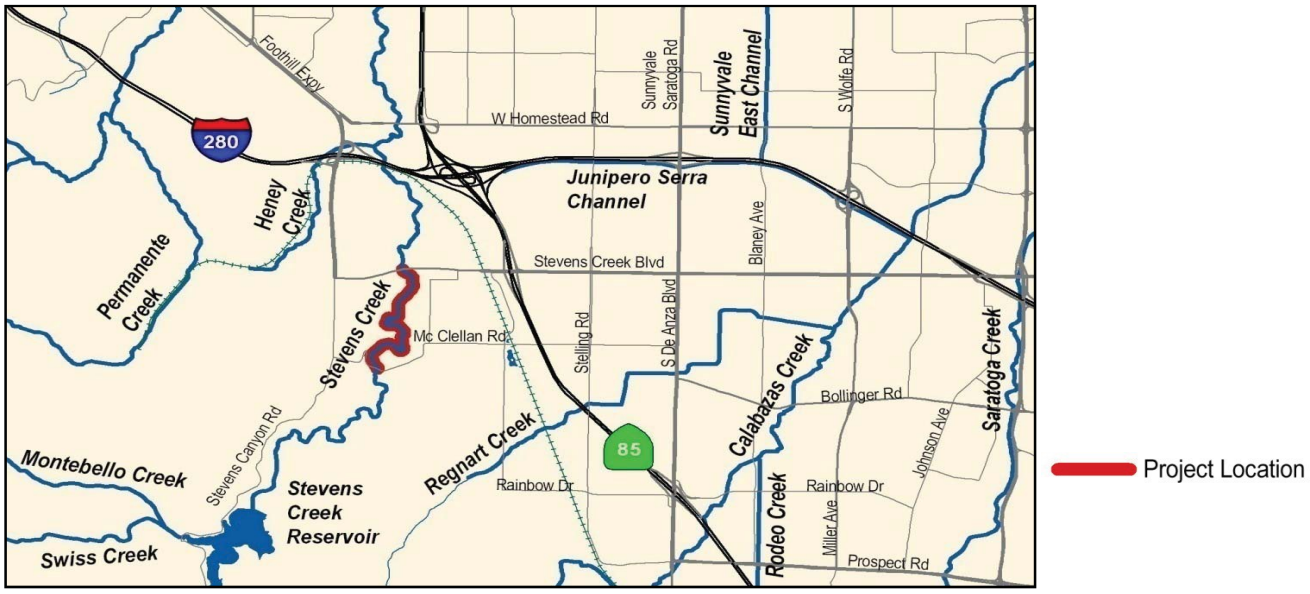
PROJECT DESCRIPTION

This project partners with the City of Cupertino, who will construct improvements to Stevens Creek, from Stevens Creek Boulevard to McClellan Road near Blackberry Farms, to accomplish the following objectives:

- Restore four acres of Stevens Creek riparian habitat.
- Fulfill part of the District's Fish and Aquatic Habitat Collaborative Effort (FAHCE) requirements.
- Remove four fish barriers.
- Implement environmental, floodplain, and water quality benefits, consistent with the voter-approved Clean, Safe Creeks and Natural Flood Protection Environmental Enhancement Program (CSC) Outcome #3 objective: Create wetlands, riparian habitat, and favorable stream conditions for fisheries and wildlife.

This project is one element of a larger project that is being done by the City of Cupertino, to convert a corporate picnicking business to a community park with environmental emphasis and creek restoration. The District will oversee the elements of the project that relate to the District's environmental enhancement objectives. Planning and design were funded in the District's operating program.

PROJECT LOCATION

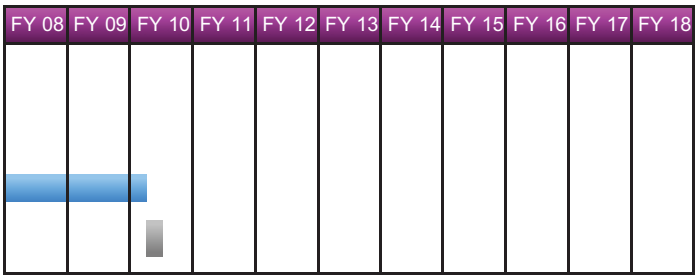


SCHEDULE & STATUS

September 2006 to October 2009

Planning and design phases were funded in the District's operating program.

Phase	Cost
Plan	n/a
Design	n/a
Construct	906
Closeout	13
	919



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
CSC Stevens Creek Corridor Restoration	55	820	31	13	0	0	0	0	919
with inflation	55	820	31	14	0	0	0	0	920

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
CSC Stevens Creek Corridor Restoration	300	618	43	0	2	0	0	0	0	920

Adjusted Budget includes adopted budget plus a planned budget adjustment of $300,000.

FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement	402
SCVWD Water Utility Enterprise (FAHCE Program)	518
Total	**920**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs, because the facility is owned by the City of Cupertino.

USEFUL LIFE: 50+ Years

Project	**FAHCE Stevens Creek Fish Passage**
Program	Environmental Enhancement
Priority No.	99
Project No.	00294001s
District Contact	Katherine Oven koven@valleywater.org



Stevens Creek Fish Ladder at Evelyn Avenue, one of three fish ladders to be modified or reconstructed for better fish

PROJECT DESCRIPTION

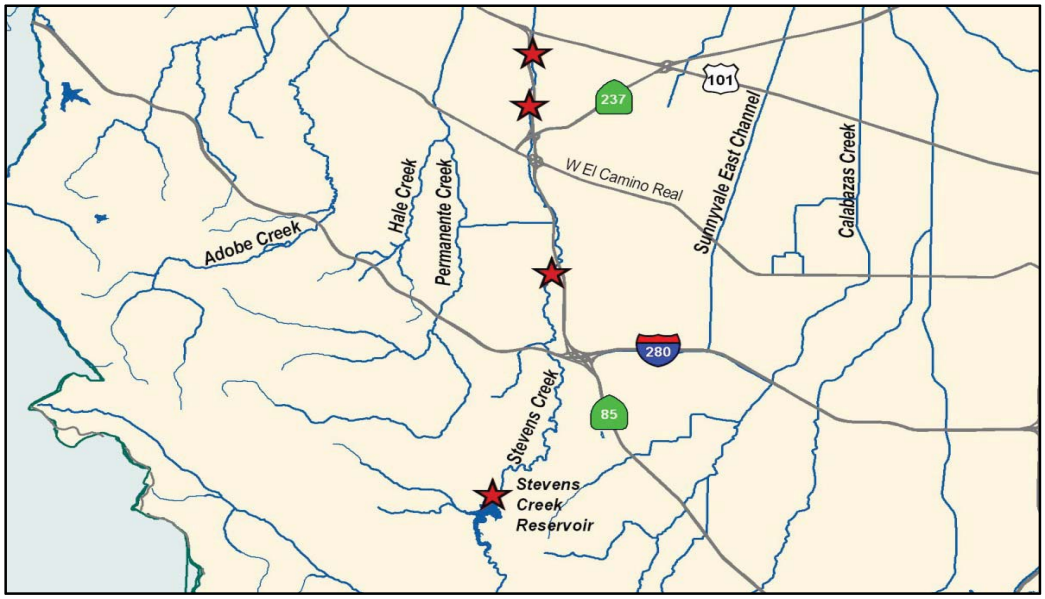
This project plans, designs, and modifies or reconstructs fish passages on Stevens Creek at Evelyn Avenue, Fremont Avenue and Moffett Boulevard and constructs a portable, gravity-fed outlet at Stevens Creek Dam, to accomplish the following objectives:

- Meet the District's mitigation obligation resulting from the Fish and Aquatic Habitat Collaborative Effort (FAHCE).
- Restore and maintain a healthy steelhead trout population in the Stevens Creek watershed.
- Provide a suitable spawning and rearing habitat below Stevens Creek Dam within a cold water management zone determined on an annual basis through the development of an operations plan.
- Provide adequate passage for adult steelhead trout to reach suitable spawning and rearing habitat and for out-migration of juveniles.

This project is accounted for in the following job numbers:

- 00294001—Fish Passage Planning
- 00C40144—Evelyn Avenue Fish Ladder
- 00C40146—Fremont Avenue Fish Ladder
- 00C40145—Moffett Boulevard Fish Ladder
- 00C40198—Multi-Port Outlet at Dam

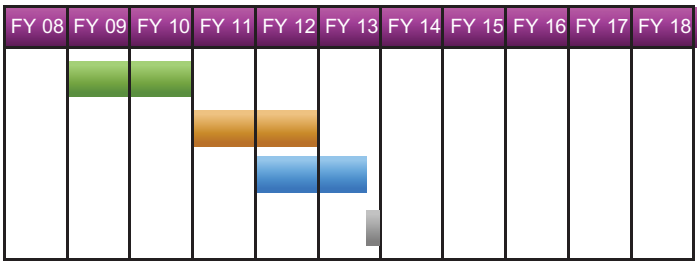
PROJECT LOCATION



PROJECT SCHEDULE

July 2008 to June 2013

Phase	Cost
Plan	2,976
Design	2,993
Construct	7,007
Closeout	28
	13,004



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
FAHCE Stevens Ck Fish Passage Planning	0	0	845	2,131	0	0	0	0	2,976
with inflation	0	0	845	2,314	0	0	0	0	3,159
FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	0	903	1,281	0	0	2,184
with inflation	0	0	0	0	1,022	1,807	0	0	2,829
FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	0	264	705	3,329	0	4,298
with inflation	0	0	0	0	299	831	4,089	0	5,219
FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	0	892	1,567	0	0	2,459
with inflation	0	0	0	0	1,009	1,847	0	0	2,856
FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	0	229	858	0	0	1,087
with inflation	0	0	0	0	259	1,204	0	0	1,463
TOTAL	**0**	**0**	**845**	**2,131**	**2,288**	**4,411**	**3,329**	**0**	**13,004**
with inflation	**0**	**0**	**845**	**2,314**	**2,589**	**5,690**	**4,089**	**0**	**15,526**

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
FAHCE Stevens Ck Fish Passage Planning	0	0	0	845	2,314	0	0	0	0	3,159
FAHCE Stevens Ck Fish Ladder at Evelyn Ave	0	0	0	0	0	1,022	1,807	0	0	2,829
FAHCE Stevens Ck Fish Ladder at Fremont Ave	0	0	0	0	0	299	831	4,089	0	5,219
FAHCE Stevens Ck Fish Ladder at Moffett Blvd	0	0	0	0	0	1,009	1,847	0	0	2,856
FAHCE Stevens Ck Dam Multi-Port Outlet	0	0	0	0	0	259	1,204	0	0	1,463
TOTAL	**0**	**0**	**0**	**845**	**2,314**	**2,589**	**5,690**	**4,089**	**0**	**15,526**

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–10%	1,553
SCVWD Water Utility Enterprise (FAHCE Program)–9	13,974
Total	**15,526**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $12,000 per year beginning in FY 2013, due to reductions in routine maintenance and debris removal.

USEFUL LIFE: 50 Years

Project	**Gold Street Educational Center**
Program	Environmental Enhancement
Priority No.	99
Project No.	30154028
District Contact	Katherine Oven koven@valleywater.org



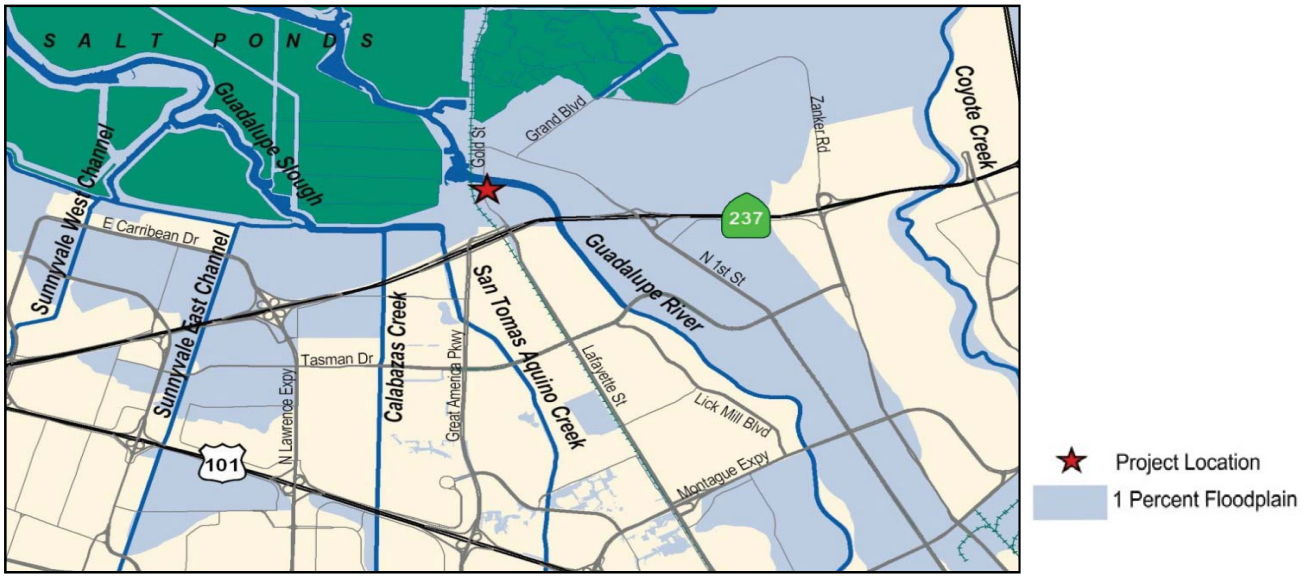
Proposed location of the Gold Street Educational Center on State Lands Commission property adjacent to the Guadalupe River.

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements at Gold Street, adjacent to the Guadalupe River in Alviso, to provide an outdoor educational center for the Alviso community that may incorporate the following elements:

- Interpretive displays.
- Landscaping with native vegetation.
- A trailhead that links to recreation trails.

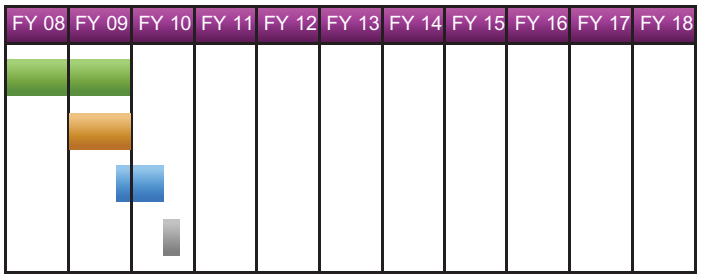
PROJECT LOCATION



SCHEDULE & STATUS

December 2004 to March 2010

Phase	Cost
Plan	235
Design	127
Construct	344
Closeout	4
	710



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Gold Street Educational Center	76	38	440	156	0	0	0	0	710
with inflation	76	38	440	186	0	0	0	0	740

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Gold Street Educational Center	106	295	287	153	186	0	0	0	0	740

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	740
Other Funding Source	0
Total	**740**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 50+ Years

Project	Jacques Gulch Restoration
Program	Environmental Enhancement
Priority No.	35
Project No.	91854002
District Contact	Beau Goldie bgoldie@valleywater.org



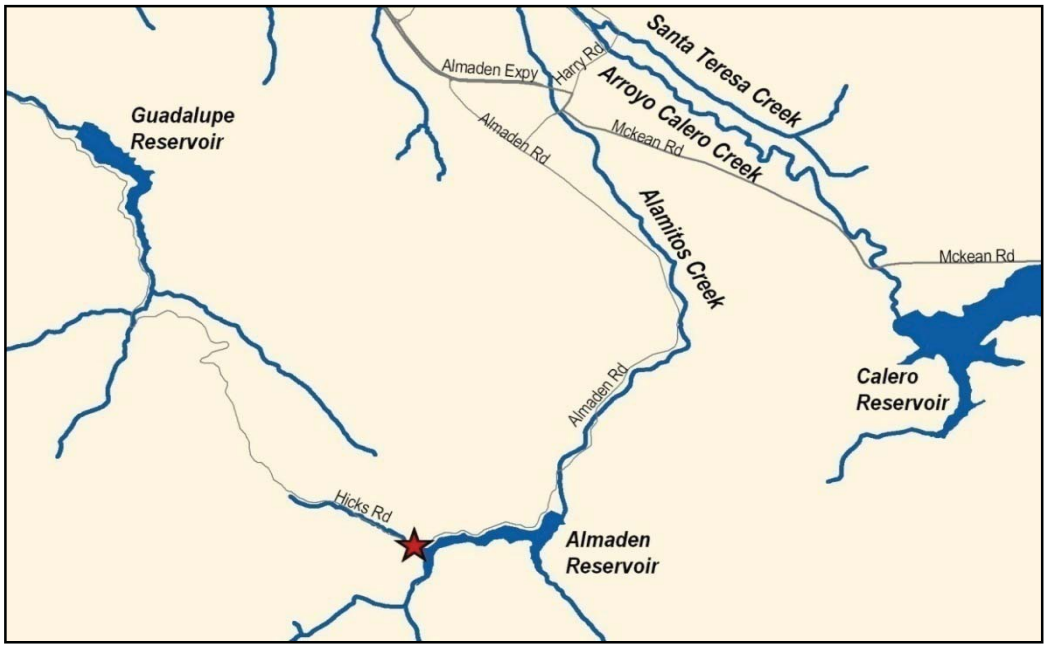
Geotechnical analysis of calcine deposits to determine mercury depth and concentration.

PROJECT DESCRIPTION

This project plans, designs and constructs improvements to Jacques Gulch, a tributary to the Almaden Reservoir, to accomplish the following objectives:

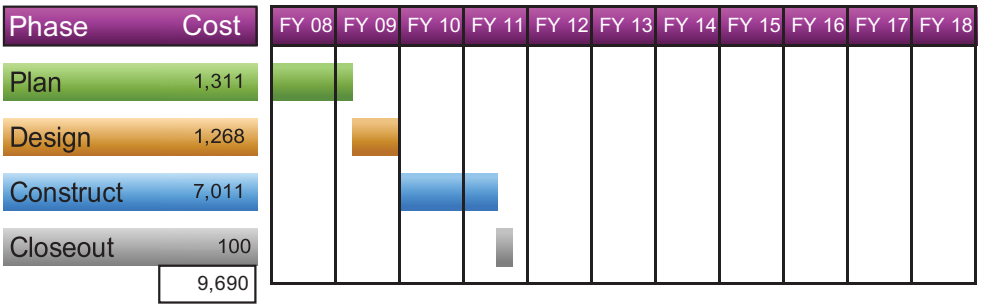
- Remove mercury calcine deposits.
- Stabilize the stream banks and restore habitat along Jacques Gulch, consistent with provisions of the Consent Decree.

PROJECT LOCATION



SCHEDULE & STATUS

July 2003 to February 2011



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Jacques Gulch Restoration	1,191	840	7,040	370	249	0	0	0	9,690
with inflation	1,191	840	7,040	402	282	0	0	0	9,754

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	FY07	FY08	FY08	FY09	FY10	FY11	FY12	FY13	Future	
Jacques Gulch Restoration	2,063	47	79	6,961	402	282	0	0	0	9,754

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	9,629
Guadalupe Rubbish Disposal Company	125
County of Santa Clara	100
Total	9,754
County Partner–Santa Clara County	4,000

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2011. Increases are related to the anticipated need for annual inspection of the Alamitos Road culvert, periodic vegetation and/or debris removal upstream and downstream of the culvert, and biological monitoring and reporting.

USEFUL LIFE: 50+ Years

Project	**Pond A8 Applied Study Final Design and Construction**
Program	Environmental Enhancement
Priority No.	99
Project No.	62044020
District Contact	Katherine Oven koven@valleywater.org



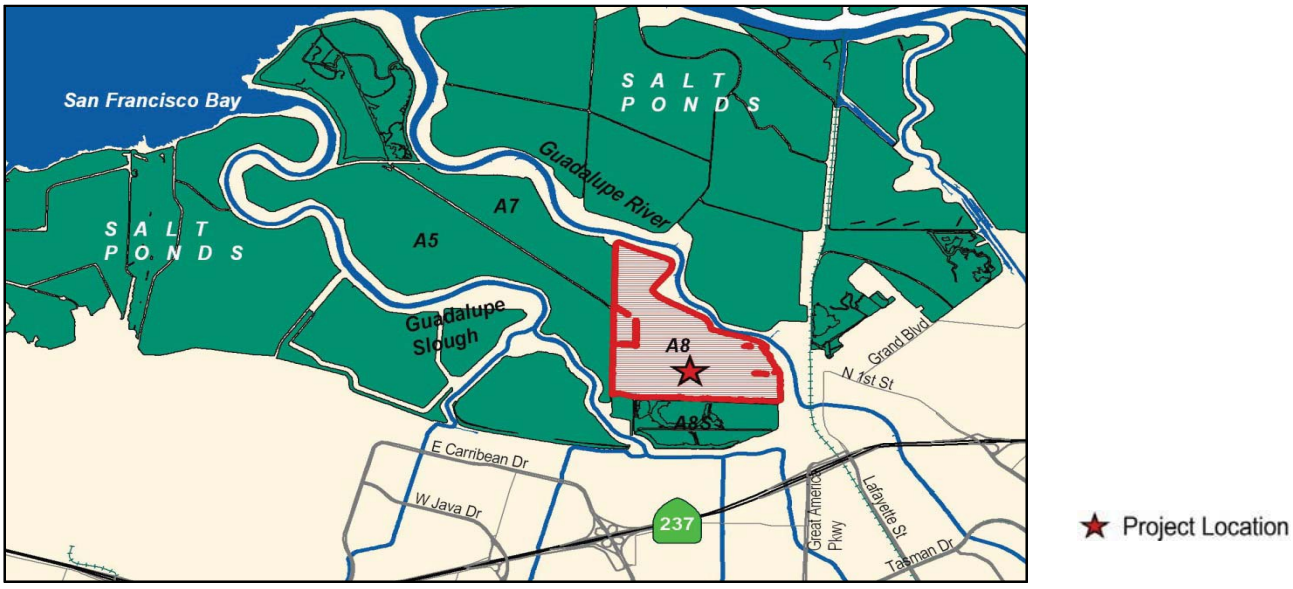
View from Southeast corner of Pond A8, looking Northwest

PROJECT DESCRIPTION

This project constructs a pilot project at Pond A8 that provides a reversible tidal connection between a former salt pond and Alviso Slough. This project will convert Pond A8 from its previous use for salt production to a muted or fully tidal condition, resulting in the restoration of up to 200 acres of tidal wetland habitat, and will accomplish the following objectives:

- Restore tidal influence to and wetland habitat in and adjacent to Pond A8
- Develop and implement a data collection program to inform management of the observed effects of mercury transport and mercury methylation due to the reversible tidal connection.
- Develop a preferred operational approach and prepare plans and drawings for conversion of the pond.
- Develop and implement a data collection program to evaluate changes in water quality and sediment quality, evaluate changes in bioaccumulation of mercury, and refine indicators to predict changes in mercury in the food web.

PROJECT LOCATION

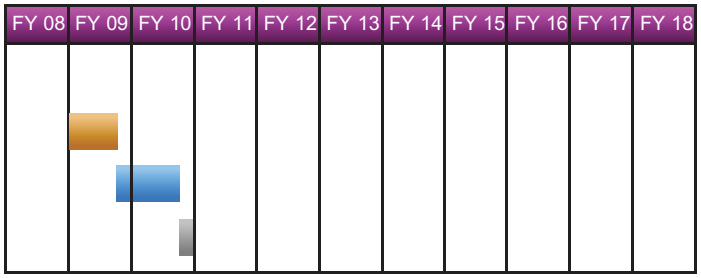


SCHEDULE & STATUS

July 2008 to June 2010

Planning and some design activities were funded by the San Francisco Bay Shoreline Project (00044026)

Phase	Cost
Plan	-
Design	240
Construct	3,238
Closeout	25
	3,503



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pond A8 Applied Study Final Design and Construction	0	0	3,033	470	0	0	0	0	3,503
with inflation	0	0	3,033	570	0	0	0	0	3,603

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Pond A8 Applied Study Final Design and Construction	0	0	0	3,033	570	0	0	0	0	3,603

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	2,378
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement	100
San Francisco Regional Water Quality Control Board	1,125
Total	**3,603**

OPERATING COST IMPACTS

Not available. The completed project will require ongoing operations and maintenance of the reversible tidal connection structure. A Memorandum of Understanding with the U.S. Fish and Wildlife Service that governs respective parties' responsibilities is being developed.

USEFUL LIFE: 50 Years

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

BUILDINGS AND GROUNDS OVERVIEW

The District's Almaden-Winfield campus occupies nearly 50 acres along Almaden Expressway in the City of San Jose. The District manages the campus to ensure a healthful and safe work environment for employees and visitors. The campus includes 10 buildings, multiple parking lots, a corporation yard, landscaping, and other appurtenances.

With most of the buildings on campus over 30 years old, the rehabilitation needs increased steadily in recent years. The District administers an asset management program for its buildings and grounds infrastructure that includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended over its useful life.

Major Capital Improvements Identified in the CIP

- Almaden & Winfield Campus Small Capital Improvements

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the buildings and grounds projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for buildings and grounds capital improvements was conducted to determine if there are limitations to funding all the proposed capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority buildings and grounds capital needs can be met.

BUILDING AND GROUNDS CAPITAL IMPROVEMENTS

The following table is a project funding schedule for buildings and grounds capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2007-08.

Buildings and Grounds Capital Improvements ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,060	-	2,084	2,172	2,263	2,358	2,457	13,921	27,315
Corporation Yard Relocation	-	289	254	22	-	-	-	-	-	311
Telephones at Treatment Plants and Vasona	1,248	903	291	10	-	-	-	-	-	2,161
TOTAL	1,248	3,252	545	2,116	2,172	2,263	2,358	2,457	13,921	29,787

FY 2007-08 Funds to be reappropriated

The following table shows funding requirements from each funding source for buildings and grounds capital improvements.

Buildings and Grounds – Funding Sources ($K)

FUNDING SOURCES	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Water Enterprise Fund	1,248	1,013	388	18	-	-	-	-	-	2,279
Watershed Stream Stewardship Fund	-	179	157	14	-	-	-	-	-	193
General Fund	-	2,060	-	2,084	2,172	2,263	2,358	2,457	13,921	27,315
TOTAL	1,248	3,252	545	2,116	2,172	2,263	2,358	2,457	13,921	29,787

FY 2007-08 Funds to be reappropriated

Project	**Almaden and Winfield Campus, Small Capital Improvements**
Program	Buildings and Grounds
Priority No.	75
Project No.	60204016
District Contact	Frank Maitski fmaitski@valleywater.org

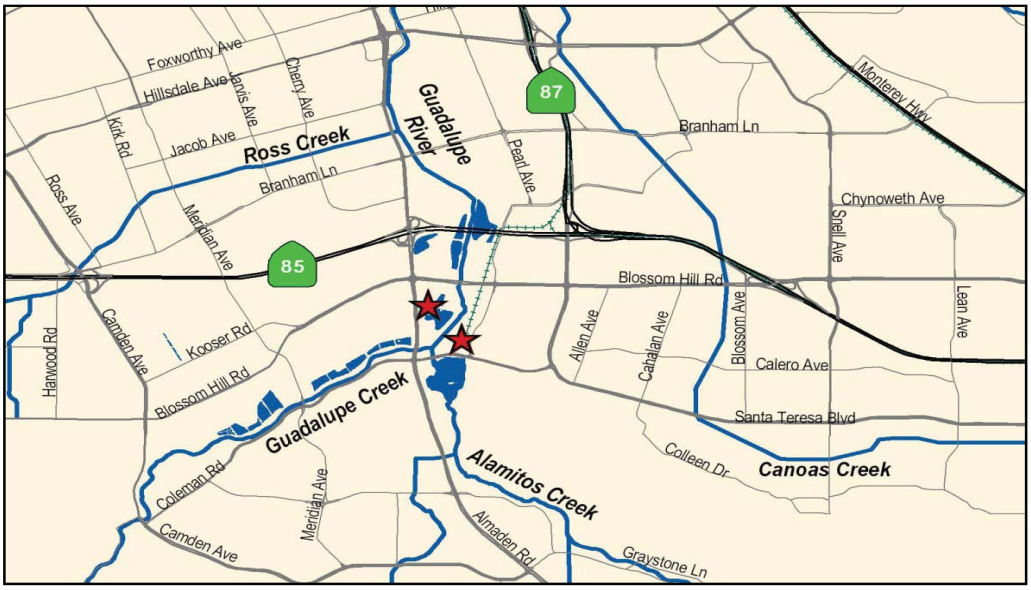


Workers perform asphalt maintenance by putting an overlay on the existing parking lot in front of the District's Administration Building.

PROJECT DESCRIPTION

This project reserves funding for capital maintenance and replacement of buildings, grounds, and facilities on the Almaden and Winfield campus, to provide a healthy and safe environment for staff and visitors.

PROJECT LOCATION



★ Project Location

SCHEDULE & STATUS

Improvements will be managed on an as-needed basis throughout the year.

Phase	Cost
Plan	n/a
Design	n/a
Construct	n/a
Closeout	n/a
	0

FY 08	FY 09	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,060	2,000	2,000	2,000	2,000	2,000	10,000	22,060
with inflation	n/a	2,060	2,084	2,172	2,263	2,358	2,457	13,921	27,314

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,060	0	2,084	2,172	2,263	2,358	2,457	13,921	27,314

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	27,314
Other Funding Source	0
Total	**27,314**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operating costs. The purpose of these maintenance projects is to avoid unnecessary financial impact cause by building shut-down and work

USEFUL LIFE: Not Available

Project	**Corporation Yard Relocation**
Program	Buildings and Grounds
Priority No.	66
Project No.	60204031
District Contact	Katherine Oven koven@valleywater.org



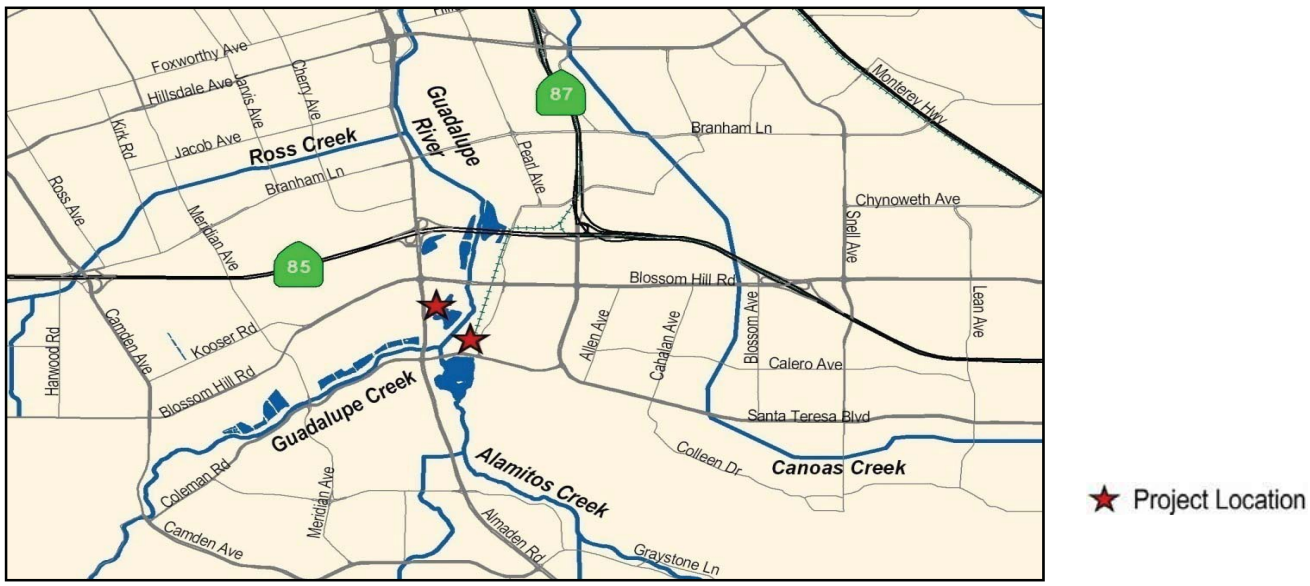
SCVWD Winfield Warehouse is part of the Corporation Yard

PROJECT DESCRIPTION

This project will explore options for the future reuse of the Winfield site in conjunction with improving the District's Corporation Yard operations. The goal of this project is to develop a cost-neutral plan that would relocate the current Winfield operations off site, resulting in improved facilities for fleet functions, warehousing, and vegetation management. The project will evaluate opportunities to engage in a private-public partnership to identify alternatives which may include acquisition of property suitable for a new corporation yard, and possibly office space for the watershed and operations staff.

The scope, estimated schedule, cost, and funding sources for planning, design, and construction phases will be determined at the completion of this plan.

PROJECT LOCATION

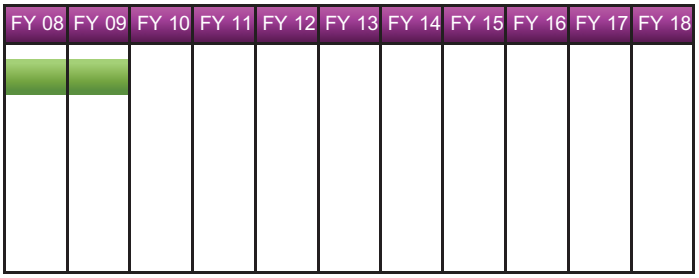


SCHEDULE & STATUS

July 2007 to June 2009

(Preliminary Plan Only)

Phase	Cost
Plan	311
Design	-
Construct	-
Closeout	0
	311



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Corporation Yard Relocation	0	35	276	0	0	0	0	0	311
with inflation	0	35	276	0	0	0	0	0	311

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Corporation Yard Relocation	0	289	254	22	0	0	0	0	0	311

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–62	193
SCVWD Water Utility Enterprise Fund–38%	118
Total	**311**

OPERATING COST IMPACTS

Planning Only: The completion of this portion of the project is not anticipated to increase or decrease annual operations costs.

USEFUL LIFE: Not Available.

Project	**Telephones at Treatment Plants and Vasona**
Program	Buildings and Grounds
Priority No.	33
Project No.	93234033s
District Contact	Brian Hackett bhackett@valleywater.org



An example of existing telecommunication cross-connects at District facilities

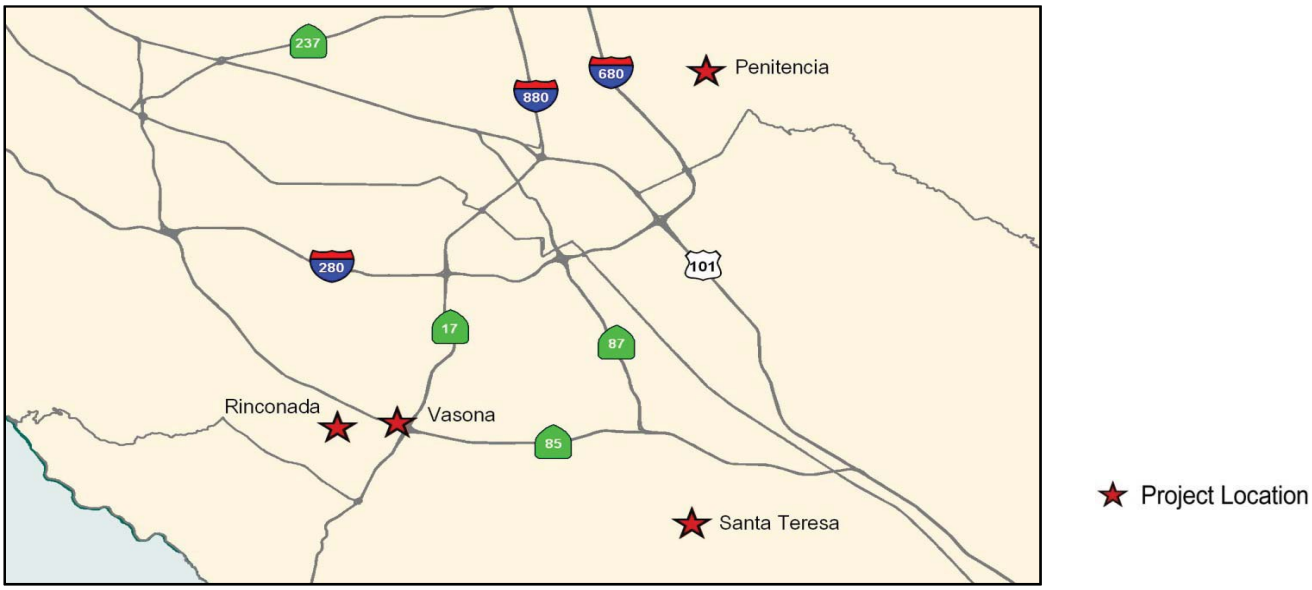
PROJECT DESCRIPTION

This project plans, designs, and constructs improvements to replace and update existing 18- to 29-year-old telecommunications equipment with expanded service capacity at the Penitencia Water Treatment Plant (PWTP), Santa Teresa Water Treatment Plant (STWTP), Rinconada Water Treatment Plant (RWTP), and Vasona Pumping Station, Meter Shop, and Pilot Plant.

This project is accounted for in the following job numbers:

- 93234038—Telephones at PWTP
- 93294040—Telephones at RWTP
- 93284033—Telephones at STWTP
- 93264001—Telephones at Vasona

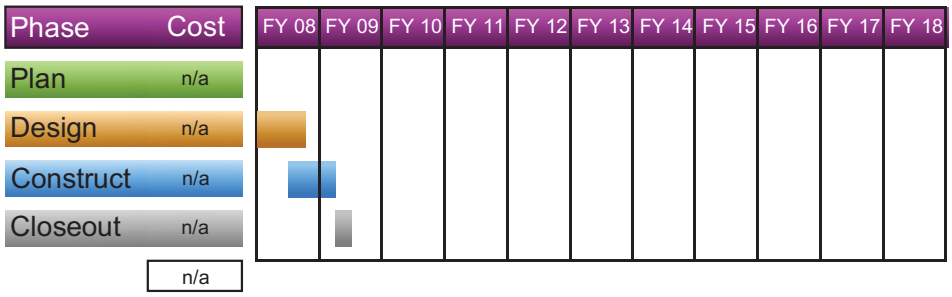
PROJECT LOCATION



PROJECT SCHEDULE

March 2004 to November 2008

Planning Phases is complete. Telephones at PWTP and STWTP are complete in FY 2008.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Telephones at Penitencia WTP	71	40	0	0	0	0	0	0	111
with inflation	71	40	0	0	0	0	0	0	111
Telephones at Rinconada WTP	156	760	10	0	0	0	0	0	926
with inflation	156	760	10	0	0	0	0	0	926
Telephones at Santa Teresa WTP	305	25	0	0	0	0	0	0	330
with inflation	305	25	0	0	0	0	0	0	330
Telephones at Vasona	125	378	10	0	0	0	0	0	513
with inflation	125	378	10	0	0	0	0	0	513
TOTAL	**657**	**1,203**	**20**	**0**	**0**	**0**	**0**	**0**	**1,880**
with inflation	**657**	**1,203**	**20**	**20**	**0**	**0**	**0**	**0**	**1,880**

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Telephones at Penitencia WTP	309	0	198	0	0	0	0	0	0	309
Telephones at Rinconada WTP	317	686	87	0	0	0	0	0	0	1,003
Telephones at Santa Teresa WTP	311	25	6	0	0	0	0	0	0	336
Telephones at Vasona	311	192	0	10	0	0	0	0	0	513
TOTAL	**1,248**	**903**	**291**	**10**	**0**	**0**	**0**	**0**	**0**	**2,161**

Adjusted Budget includes adopted budget plus approved budget adjustments. Project funding exceeds planned expenditures by a total of approximately $281,000. Excess funding will roll to reserves at the end of each project.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,161
Other Funding Source	0
Total	**2,161**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $18,000 per year, beginning in FY 2009, for maintenance contracts on the new systems.

USEFUL LIFE: 10 Years

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

INFORMATION TECHNOLOGY OVERVIEW

The District manages a sophisticated information technology system to ensure the District's intellectual property, information, and files are protected from loss or significant damage. In 2001, the District completed the Information System Master Plan (ISMP). Significant progress has been made toward meeting the goals and objectives of the ISMP since that time, in particular, the implementation of an Enterprise Resource System. The District administers an asset management program for its existing information technology system. The program includes a schedule for maintenance and rehabilitation to ensure that each system functions as intended over its useful life."

Major Capital Improvements Identified in the CIP

- Water Resources Information System
- Computerized Maintenance Management System
- People Soft Upgrade
- Microwave Telecommunications System Upgrade

PRIORITY PROCESS AND FINANCIAL ANALYSIS

A rigorous priority setting process was conducted to rate the information technology projects against other types of capital improvements. The priority criteria used are included in Appendix A.

Financial analysis of the following funding sources for information technology capital improvements was conducted to determine if there are limitations to funding all the planned capital projects.

- Watershed and Stream Stewardship Fund
- General Fund
- Water Enterprise Fund

Results of this year's prioritization process and financial analysis are summarized in Appendix B. The process concluded that the higher priority information technology needs can be met.

INFORMATION TECHNOLOGY CAPITAL IMPROVEMENTS

The following table is a project funding schedule for information technology capital improvements resulting from this year's priority process and financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2007-08.

Information Technology Capital Improvements ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13 FY14-18	TOTAL
ISMP Computerized Maintenance Management System	953	47	817	66	16	----------	----------	----------	1,082
ISMP Infrastructure Upgrade	242	-	106	-	-	-	-	-	242
ISMP Water Resource Information System	1,966	748	-	240	174	-	-	-	3,128
Microwave Telecommunications System	-	-	-	2,537	22	-	-	-	2,559
PeopleSoft System Upgrade	900	281	717	143	-	-	-	-	1,324
Radio Repeater System Infill	-	-	-	625	457	-	-	-	1,082
TOTAL	4,061	1,076	1,640	3,611	669	-	-	-	9,417

FY 2007-08 Funds to be reappropriated

The following table shows funding requirements from each funding source for information technology capital improvements.

Information Technology – Funding Sources ($K)

FUNDING SOURCES	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13 FY14-18	TOTAL
Water Enterprise Fund	2,443	772	409	567	397	-	-	-	6,737
Watershed Stream Stewardship Fund	477	24	409	364	250	-	-	-	1,114
General Fund	1,142	281	823	2,680	22	-	-	-	1,566
TOTAL	4,061	1,076	1,640	3,611	669	-	-	-	9,417

FY 2007-08 Funds to be reappropriated

Project	**ISMP Computerized Maintenance Management System**
Program	Information Technology
Priority No.	35
Project No.	60274054
District Contact	Brian Hackett bhackett@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project integrates the Computerized Maintenance Management System (CMMS) with the District's Enterprise Resource Planning (ERP) system as defined in the Information Systems Master Plan (ISMP) to accomplish the following objectives:

- Reduce redundant data and eliminate manual data inputs to increase efficiencies.
- Enforce financial accountability of District's asset management and maintenance functions.

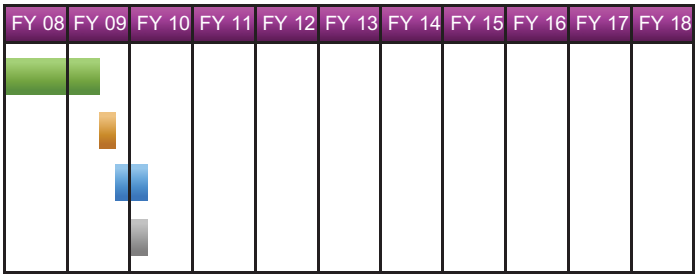
PROJECT LOCATION

No map is provided for this project.

SCHEDULE & STATUS

February 2005 to August 2009

Phase	Cost
Plan	240
Design	52
Construct	774
Closeout	15
	1,081



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
ISMP Computerized Maintenance Management System	115	68	883	15	0	0	0	0	1,081
with inflation	115	68	883	16	0	0	0	0	1,082

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
ISMP Computerized Maintenance Management System	953	47	817	66	16	0	0	0	0	1,082

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–50	541
SCVWD Water Utility Enterprise Fund–50%	541
Total	**1,082**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease operating costs. The project scope is to upgrade an existing system. No additional license or support requirements are anticipated.

USEFUL LIFE: 10 Years

Project	**ISMP Infrastructure Upgrade**
Program	Information Technology
Priority No.	40
Project No.	60274051
District Contact	Brian Hackett bhackett@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project supports the hardware and network needs of the Information Systems Master Plan (ISMP) projects, to accomplish the following objectives:

- Enhance and increase network capacity to accommodate new systems required by other ISMP projects.
- Increase reliability, availability, and performance of the storage subsystems.
- Reduce backup and data recovery time.
- Insure that system outages due to disaster can be recovered with minimum down time and adverse effects on District business.
- Build new system infrastructure based on up-to-date technology platforms that can be adequately supported by vendors.

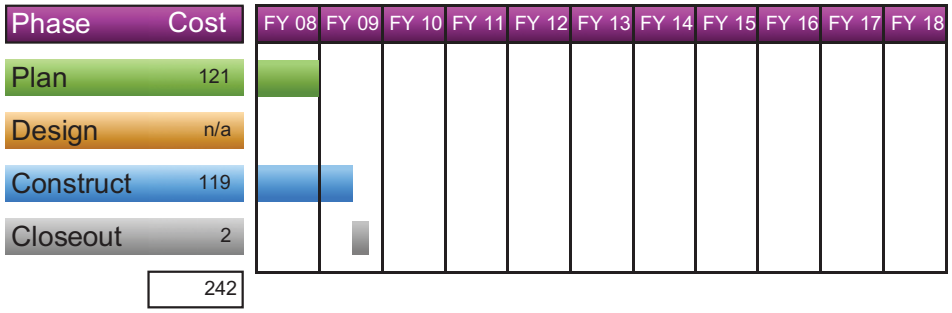
PROJECT LOCATION

No map is provided for this project.

SCHEDULE & STATUS

March 2001 to January 2009

Design phase is not applicable to this information management project. Implementation is shown in the construction phase.



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
ISMP Infrastructure Upgrade	121	15	106	0	0	0	0	0	242
with inflation	121	15	106	0	0	0	0	0	242

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
ISMP Infrastructure Upgrade	242	0	106	0	0	0	0	0	0	242

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	242
Other Funding Source	0
Total	**242**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $3,000 per year, beginning in FY 2010, for hardware and software maintenance.

USEFUL LIFE: 10 Years

Project	**ISMP Water Resource Information System**
Program	Information Technology
Priority No.	56
Project No.	60274057
District Contact	Keith Whitman kwhitman@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project develops and implements a new Water Resource Information System (WRIS), as defined in the Information Systems Master Plan (ISMP), to accomplish the following objectives:

- Develop a new WRIS that uses current technology and can be adequately supported by the vendor and the District's Information Management Division.
- Provide user interface that is easy to use and streamlines daily tasks.

PROJECT LOCATION

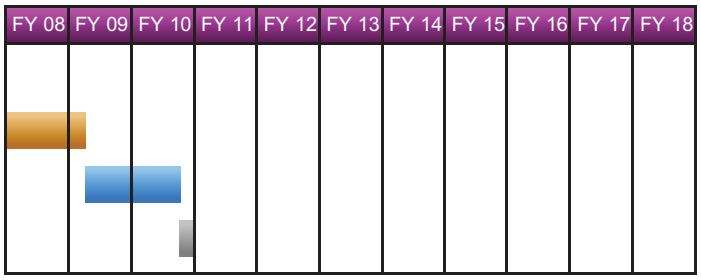
No map is provided for this project.

SCHEDULE & STATUS

August 2004 to April 2010

Planning Phase is complete

Phase	Cost
Plan	92
Design	868
Construct	2,069
Closeout	85
	3,114



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
ISMP Water Resource Information System	883	1,831	240	160	0	0	0	0	3,114
with inflation	883	1,831	240	174	0	0	0	0	3,128

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
ISMP Water Resource Information System	1,966	748	0	240	174	0	0	0	0	3,128

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	3,128
Other Funding Source	0
Total	**3,128**

OPERATING COST IMPACTS

The completion of this project is anticipated to increase operating costs by approximately $5,000 per year, beginning in FY 2011, for software maintenance costs.

USEFUL LIFE: 10 Years

Project	**Microwave Telecommunications System**
Program	Information Technology
Priority No.	31
Project No.	94084006
District Contact	Bill Knoff bknoff@valleywater.org



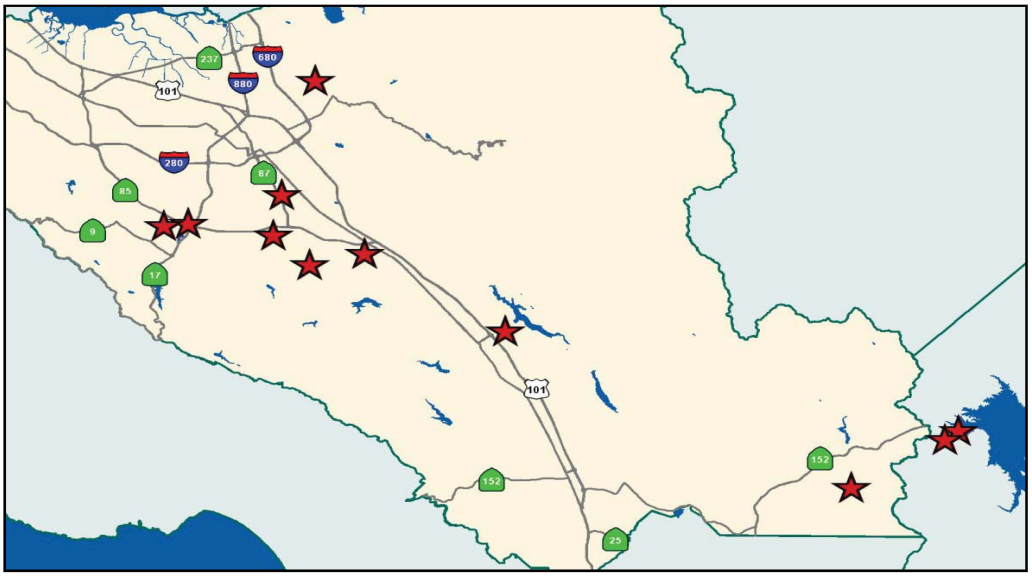
Microwave tower at the County Communications Center

PROJECT DESCRIPTION

This project plans, designs, and installs microwave links at thirteen district sites to accomplish the following

- Expand the abilities of public agencies in Santa Clara County to communicate with each other quickly and securely during day-to-day operations, large-scale events, and regional disasters.
- Implement a countywide digital microwave network as the primary mechanism for real-time data delivery between network participant public safety interoperability applications.
- Provide reliable, high-speed, dedicated data links between mission critical facilities and the main district campus.

PROJECT LOCATION

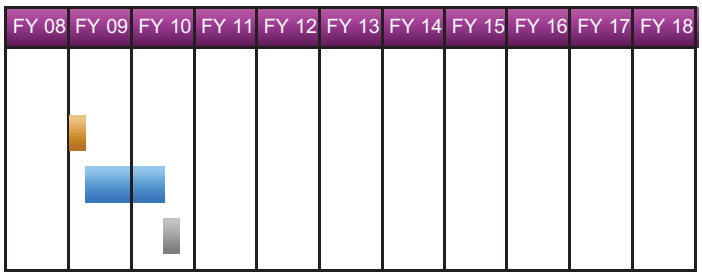


PROJECT SCHEDULE

July 2008 to February 2010

Planning Phase was done under a separate project. Installation is shown in the construction phase.

Phase	Cost
Plan	-
Design	125
Construct	2,412
Closeout	20
	2,557



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Microwave Telecommunication FY08	0	0	2,537	20	0	0	0	0	2,557
with inflation	0	0	2,537	22	0	0	0	0	2,559

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Microwave Telecommunication FY08	0	0	0	2,537	22	0	0	0	0	2,559

FUNDING SOURCES

(in thousands $)

SCVWD Water Utility Enterprise Fund	2,559
Other Funding Source	0
Total	**2,559**

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by approximately $70,000 per year, beginning in FY 2011, by eliminating the cost of third-party telecommunications circuits.

USEFUL LIFE: 25 Years

Project	**PeopleSoft System Upgrade**
Program	Information Technology
Priority No.	35
Project No.	60274061
District Contact	Brian Hackett bhackett@valleywater.org

No Picture Available

PROJECT DESCRIPTION

This project plans and implements the financial and human resources 8.9 upgrade of PeopleSoft software to accomplish the following objectives:

- Provide enhanced processing, lower systems maintenance, and enhanced human resources features.
- Provide the necessary launch pad for potential conversion to the PeopleSoft Fusion product.
- Implement additional modules to support district business needs.

PROJECT LOCATION

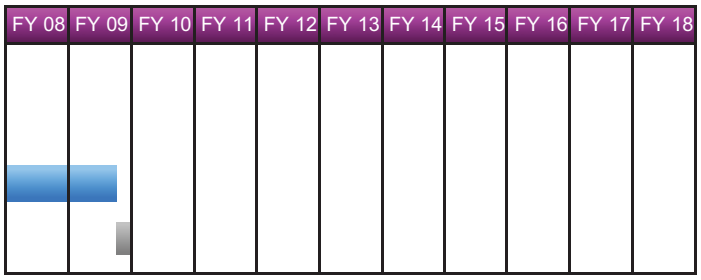
No map is provided for this project.

SCHEDULE & STATUS

July 2006 to March 2008

Planning phase is complete. Design phase is not applicable to this project. Project Implementation is shown as the Construction Phase.

Phase	Cost
Plan	164
Design	247
Construct	900
Closeout	13
	1,324



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PeopleSoft System Upgrade	114	350	860	0	0	0	0	0	1,324
with inflation	114	350	860	0	0	0	0	0	1,324

Actuals include project expenditures, and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
PeopleSoft System Upgrade	900	281	717	143	0	0	0	0	0	1,324

Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

SCVWD General Fund	1,324
Other Funding Source	0
Total	**1,324**

OPERATING COST IMPACTS

The completion of this project is not anticipated to increase or decrease annual operations costs, unless new software licenses are required. If a new software license is required, it could increase annual maintenance by

USEFUL LIFE: 10 Years

Project	**Radio Repeater System Infill**
Program	Information Technology
Priority No.	49
Project No.	00024005
District Contact	Bill Knoff bknoff@valleywater.org



Radio tower at County Communications Center

PROJECT DESCRIPTION

This project studies the extent of repeater and receiver system infill and considers existing antenna sites that are available through the county, cities, and other public agencies to accomplish the following objectives:

- Expand the district's ability to communicate quickly and securely with Santa Clara County public agencies during day-to-day operations, large-scale events, and regional disasters.
- Increase reliability, availability, and performance of the storage subsystems.
- Coordinate response from multiple agencies to an event by talking to users on frequency bands.

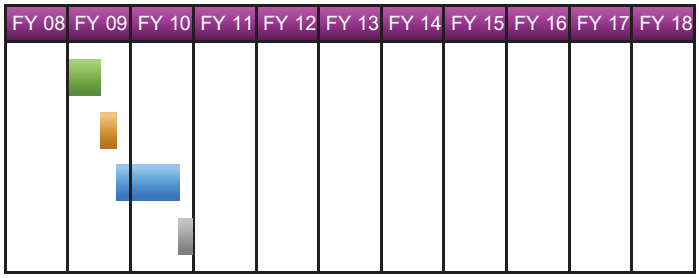
PROJECT LOCATION

Specific sites for this project have not been determined.

SCHEDULE & STATUS

July 2008 to June 2010

Phase	Cost
Plan	240
Design	57
Construct	678
Closeout	20
	995



EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY07**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Radio Repeater System Infill	0	0	625	370	0	0	0	0	995
with inflation	0	0	625	457	0	0	0	0	1,082

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests					Total
Project	**FY07**	**FY08**	**FY08**	**FY09**	**FY10**	**FY11**	**FY12**	**FY13**	**Future**	
Radio Repeater System Infill	0	0	0	625	457	0	0	0	0	1,082

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund–53	574
SCVWD Water Utility Enterprise Fund–47%	509
Total	**509**

OPERATING COST IMPACTS

Operating cost impacts are anticipated and will be determined during the planning phase.

USEFUL LIFE: 15 Years

FINANCIAL PLANNING AND SUMMARY

CIP FINANCIAL PLANNING

Board policy regarding financial planning and budgeting provides the foundation for CIP financial planning. The policy states:

Executive Limitation EL-4, "Financial planning for any fiscal year or the remaining part of any budget period shall not deviate materially from the Board's Ends priorities, risk fiscal jeopardy, or fail to be derived from a multiyear plan."

> Executive Limitation EL-4.1., "The CEO shall not fail to include credible projection of revenues and expenses, separation of capital and operational items, cash flow and disclosure of planning assumptions."
>
> Executive Limitation EL-4.2, "The CEO shall not plan the expenditure in any budget period of more funds than are conservatively projected to be received or appropriated from reserves in that period."

KEY REVENUES SOURCES

Water Charges

- Water charges include a ground water charge, which is equivalent to the basic user charge, and is associated with the benefit of managing groundwater supplies. The groundwater charge is applied to water extracted from the groundwater basin in Zones W-2 and W-5. The basic user charge is applied to other types of water delivered by the District. There are two rates: one for agricultural water and one for municipal and industrial water.

- A treated water surcharge, which is associated with the benefit of receiving treated water, is levied in addition to the basic user charge on water delivered from the District's water treatment plants.

Property Tax

Santa Clara County allocates property tax revenue to the District from ad valorem taxes levied on land within the county.

Special Parcel Tax

The special parcel tax was approved by the voters in Santa Clara County in November 2000. This revenue source is restricted to financing the costs of the District's Clean, Safe Creeks and Natural Flood Protection Program.

Benefit Assessments

Benefit assessment revenue consists of levies approved by voters in 1986 and 1990 to support financing for flood control capital improvements. The current FY 2008-09 budget amount is approximately 1.25 times the duly authorized annual debt service requirements for each Watershed.

Capital Reimbursements

Capital reimbursement revenues are from local, state and federal partners for capital projects carried on cooperatively by the District and its partners. The District fronts the partners' shares of capital expenditures and receives reimbursements from the partners at a later time.

Interest

Interest is earned from the District's investment portfolio.

FINANCIAL PLANNING AND SUMMARY

District Fund Structure

The District's revenue sources are organized into six funds. Each fund has specific revenue sources according to their intended purposes, and each fund is an independent accounting entity with a self-balancing set of accounts comprised of its assets, liabilities, fund equity, revenue, and expenditures or expenses, as appropriate.

Types	Fund	Primary Revenue Source
Proprietary	Equipment and Risk Insurance	- Reimbursements charging back to all other District funds
	Water Enterprise	- Water Charges - Property Tax
Governmental	Clean, Safe Creeks and Natural Flood Protection	- Special Parcel Tax
	Watershed and Stream Stewardship	- Property Tax - Benefit assessments levied within Lower Peninsula Watershed - Benefit assessments levied within West Valley Watershed - Benefit assessments levied within Guadalupe Watershed - Benefit assessments levied within Coyote Watershed - Benefit assessments levied within Uvas/Llagas Watershed
	General	- Property Tax - Reimbursements charging back to all other District funds

FINANCIAL PLANNING AND SUMMARY

Revenue Projections

The District regularly updates the projected revenues based on the best information available.

- Revenues from water charges are estimated based on projections of water demand for residential, commercial and industrial, and agricultural consumption combined with rates per acre-foot. Rates are set at a level that will provide revenue needed to meet operating and capital needs.

- Revenues from property taxes, special parcel taxes, and benefit assessments are estimated based on projection of growth in assessed value and number of developed parcels in Santa Clara County.

- Interest earnings are estimated based on the projected average cash balances during the fiscal year and expected yield from the District's investment portfolio.

- Revenue from capital reimbursements partnerships are estimated based on the terms of agreements executed by the District and its partners.

Expenditure Projections

The District regularly updates the operation and capital expenditures based on the best information available.

Each capital project cost estimate includes the yearly expenditures through completion based on the project's scope and schedule. The expenditures are monitored regularly and updated when necessary, e.g. expenditures are updated when a project's scope changes. A management review process is enforced to ensure only justified expenditure changes are approved.

Operation cost projections for the next 10 years are updated annually and are based on assumptions derived from the District's strategic plans, including the impact of completed capital projects. Capital and operations expenditure projections are the foundation for the development of the District's budget.

Financial Analysis

The District regularly performs financial analysis to comply with the Board's Financial Planning/Budgeting Policy. The District uses sophisticated financial models to perform the analysis for each fund. The projected operation expenditures, capital expenditures, and revenues for the next ten years are incorporated into the financial models to analyze the health of each fund under various economic scenarios. This process assures that funds will be available when needed to implement the CIP.

The financial analysis generates alternatives for funding capital projects based on the available yearly revenues, from all sources, allocated to the capital program, and the debt financing capacity of each fund. The financial analysis establishes the parameters within which the capital project schedule is developed.

Debt Projections and Debt Ratios

Debt is managed at the District depending on the type of District business involved. Under the watershed business, the District has no current plans to issue additional debt which would require taxpayer approval. Debt service on outstanding debt is funded by benefit assessments levied on property owners in the county.

The water utility business on the other hand uses a combination of short-term and long-term debt financing in conjunction with pay-as-you-go financing to lessen impacts to the water rate, caused by fluctuations in capital funding needs. In the 1984 general election, Measure B was passed by the voters, which gave the District's water utility the authority to issue bonds on an "as required" basis. Debt service on outstanding debt is paid from water revenues. Bond covenants stipulate that the District must maintain a 1.25 debt coverage ratio on all parity bonds. The long-term financial analysis targets a debt coverage ratio of 2.0, which helps establish the parameters for capital planning that ensure bond covenants will be met.

The District currently enjoys credit ratings that are among the highest for a water-related governmental entity in the state of California, which helps keep interest costs borne by the District at a minimum.

Relationship between the Operating Budget and CIP

Whenever the District commits to capital improvements, there is a potential for associated long-range commitment of operating funds. For example, if 20-year bonds are issued to finance capital needs, then the operating funds will need to budget debt service payments for the next two decades. For this reason, it is important to evaluate capital commitments in the context of their long-range operating impact.

In addition to the long-range debt service payments, some capital projects affect future operating budgets either positively or negatively due to an increase or decrease in maintenance and operation costs. Such impacts vary widely from project to project and, are evaluated individually during the project development stage. The District is committing to a potential change in the operating budget when a capital project is approved.

The projected debt service payments and the positive or negative operating budget impacts are important factors considered in the District's financial analysis.

This chart identifies the operating budget impacts to each fund from projected debt service payments. The debt service payment in the Watershed Stream Stewardship Fund is a total of payments associated with each individual watershed.

Debt Payment Schedule ($K)

Fund	FY09	FY10	FY11	FY12	FY13
General Fund	-	-	-	-	-
Watershed Stream Stewardship Fund	15,778	15,778	15,704	15,676	15,713
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-
Water Utility Enterprise Fund	13,144	16,459	21,959	27,309	26,904
TOTAL	28,922	32,237	37,663	42,985	42,617

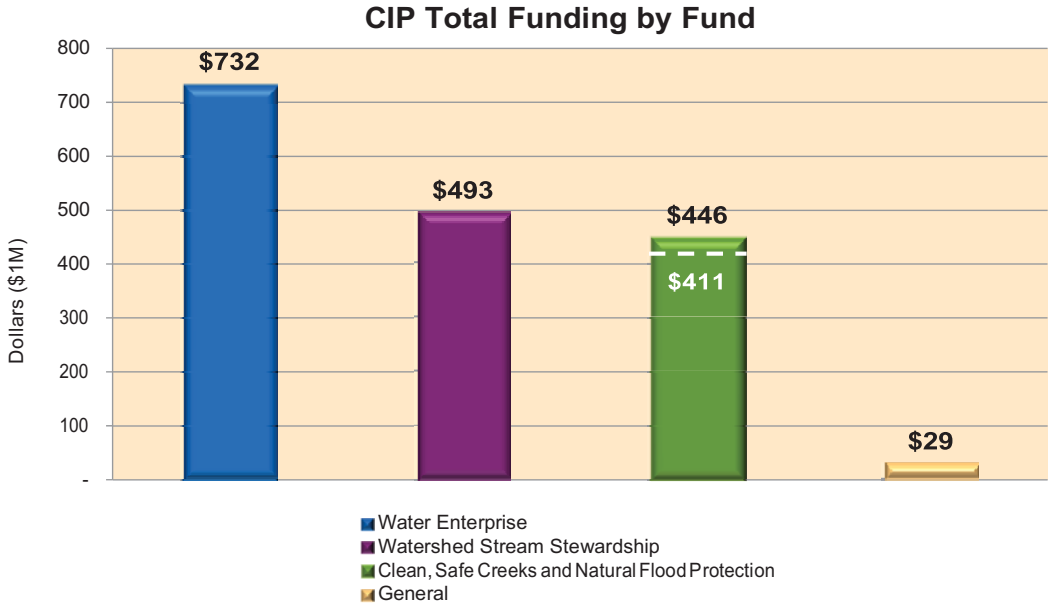
This chart identifies the net operating budget impacts to each fund resulting from annual maintenance and/or operating cost for newly completed capital projects. Additional information regarding operating impacts related to individual projects can be found on the project pages.

Estimated Operating Impacts ($K)

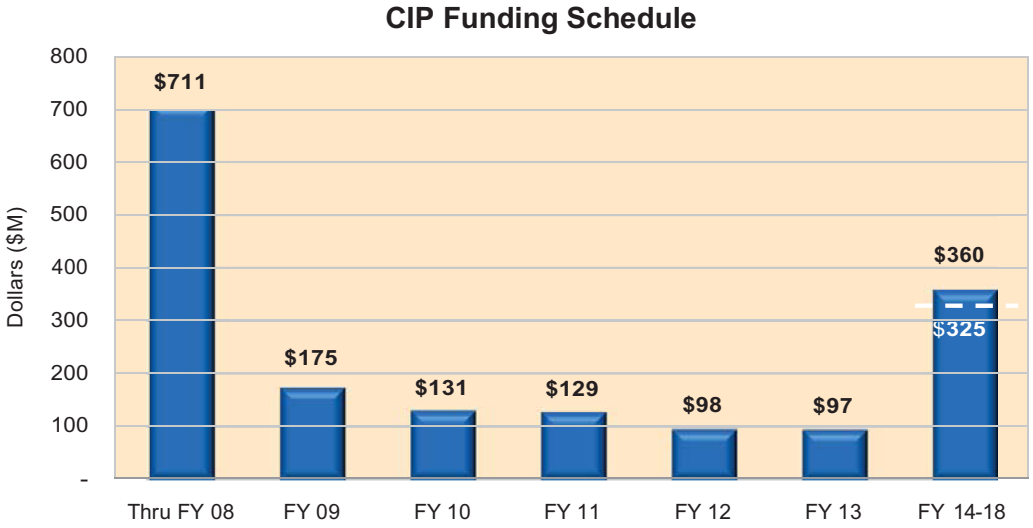
Fund	FY09	FY10	FY11	FY12	FY13	BEYOND
General Fund	-	3	3	3	3	3
Watershed Stream Stewardship Fund	250	300	1,105	1,111	1,111	1,927
Clean, Safe Creeks and Natural Flood Protection Fund	-	-	-	-	-	-
Water Utility Enterprise Fund	759	979	2,816	2,796	2,677	3,990
TOTAL	1,009	1,282	3,924	3,910	3,791	5,919

CIP FUNDING SUMMARY

Of the $1.700 billion in total funding for current and future projects, the Board appropriated $711 million in prior years through June 30, 2008 (the end of Fiscal Year 2007-08). This year's CIP process identified additional funding needs of $989 million to complete the projects in the CIP, with $175 million allocated in Fiscal Year 2008-09 and a total of $814 million proposed for future years. Included in the $814 million proposed future funding is a funding shortfall of $35 million for projects funded by the Clean, Safe Creeks and Natural Flood Protection Fund.



The needed $1.700 billion to implement the 106 projects as defined in the CIP are funded by four of the District's six Funds.



The following chart shows the funding schedule for the $1.700 billion to implement the 106 projects:

CIP Project Funding Schedule for Water Enterprise Fund ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Almaden Dam Outlet Works Improvements	2,103	-	-	-	-	803	837	872	15,899	20,514
Calero/Fellows Dike Improvement	2,593	820	428	471	609	7,522	625	-	-	12,640
Coyote Dam Control Building Improvements	-	-	-	-	-	170	412	-	-	582
Dam Instrumentation	5,097	1,398	807	-	163	6,508	330	-	-	13,496
Lenihan Dam Outlet Modifications	28,346	11,315	39	24,723	1,073	-	-	-	-	65,457
Pacheco Pumping Plant ASD Replacement	3,018	-	1,384	7,723	3,916	498	519	283	-	15,957
Pacheco Pumping Plant Regulating Tank Recoating	-	223	-	2,525	163	-	-	-	-	2,911
San Felipe Communications Cable Replacement	-	264	189	368	1,650	170	-	-	-	2,452
San Luis Reservoir Low Point Improvement - Planning	15,143	-	4,098	-	254	-	-	-	-	15,397
San Tomas Well Field	11,444	382	453	172	-	-	-	-	-	11,998
SCADA Wireless System Overhaul for Dams and Reservoirs	-	-	-	-	-	915	971	1,020	-	2,906
Alamitos Diversion Dam Improvements	357	462	-	2,113	113	-	-	-	-	3,045
Almaden-Calero Canal Rehabilitation	1,449	637	-	502	6,671	1,226	388	-	-	10,873
Coyote Diversion Dam Improvements	310	367	502	-	2,167	596	-	-	-	3,440
IRP2 Backup Raw Water Control Center at Almaden	-	-	-	-	-	36	125	897	694	1,752
IRP2 Self-Sufficient SCADA System	-	-	-	675	722	2,338	1,973	-	-	5,708
Kirk Ditch Improvements	379	1,398	1,148	595	239	-	-	-	-	2,611
Kirk Diversion Dam Improvements	313	-	302	209	1,889	136	-	-	-	2,547
Kirk Diversion Fish Screen	-	224	-	1,044	-	-	-	-	-	1,268
Main Avenue Pipeline	-	918	918	71	6,222	-	-	-	-	7,211
Page Desilting System Improvements	-	-	-	310	628	-	-	-	-	938
Penitencia Fish Facilities Modifications	-	-	-	-	290	240	189	992	-	1,711
Pipeline Hydraulic Reliability Upgrades - Planning	-	-	-	-	-	283	-	-	-	283
Santa Clara Distributary Turnout	-	98	-	156	-	-	-	-	-	254
Santa Clara Valley Recharge Ponds	-	-	-	-	349	363	7,251	12,271	4,969	25,203
South County Pipeline Right of Way Acquisition	-	-	-	174	297	1,928	-	-	-	2,399
Stevens Creek Diversion - Planning	-	-	-	-	-	156	-	-	-	156
Treated Water Pipeline Turnout Improvement - Planning	-	-	-	-	-	-	295	-	-	295
Vasona Canal Improvement - Planning	-	134	-	53	-	-	-	-	-	187
Vasona Pumping Plant Electrical Upgrades	-	-	-	-	-	-	-	123	6,635	6,758
IRP2 Seismic Study and Retrofit of WTP Ops Bldg	-	945	818	3,330	1,167	11,943	8,276	5,992	-	31,653
PWTP Ammonia System Relocation and Upgrades	-	-	-	-	-	-	668	3,744	297	4,709
PWTP Backwash Pump Replacement	803	-	372	749	132	17	-	-	-	1,701
PWTP Chemical Systems Upgrade	506	218	-	721	1,914	23	-	-	-	3,382
PWTP Cooling Water Pump Modifications	-	-	-	-	-	-	520	1,511	84	2,115
PWTP Filter Basin Covers	-	-	-	-	-	-	393	737	-	1,130
PWTP Improvement, Stage 2	69,056	286	75	-	-	-	-	-	-	69,342

FY 2007-08 Funds to be reappropriated

CIP Project Funding Schedule for Water Enterprise Fund ($K) (cont'd)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
PWTP Large Valve Automation	-	-	-	-	-	-	884	154	-	1,038
PWTP Maintenance Building	1,978	4,571	4,513	608	43	-	-	-	-	7,200
PWTP Standby Power Upgrade	2,336	-	1,315	232	-	-	-	-	-	2,568
PWTP Washwater Clarification Facility	-	-	-	-	-	-	-	510	7,967	8,477
PWTP Water Pumps Modifications	-	-	-	162	2,046	168	-	-	-	2,376
RWTP Chemical System Upgrade	714	2,575	2,422	2,476	717	57	-	-	-	6,539
RWTP FRP Chemical Storage Structure Seismic Upgrades	-	-	-	-	413	2,841	401	209	-	3,864
RWTP FRP Clarification System Improvement	-	-	-	14,308	1,520	226	-	-	-	16,054
RWTP FRP Clearwell and Site Improvement	-	-	-	-	977	6,716	1,061	369	-	9,123
RWTP FRP Filtration System Improvement	-	-	-	-	1,107	6,868	1,297	614	-	9,886
RWTP FRP Main Pump Valves Replacement	-	-	-	-	293	305	1,663	233	-	2,494
RWTP FRP Primary Electrical System Improvement	-	-	-	898	1,031	9,053	1,309	-	-	12,291
RWTP FRP SCADA Room Retrofit	-	-	-	154	488	17	-	-	-	659
RWTP FRP Solids Handling System Improvement	-	-	-	423	557	2,898	118	-	-	3,996
RWTP FRP Washwater Recovery System	-	-	-	1,073	1,118	7,541	536	-	-	10,268
RWTP Reliability Improvement	-	-	-	-	2,172	1,697	5,423	4,668	127,325	141,285
RWTP Valve Replacements	-	5,170	-	958	467	57	-	-	-	6,652
STWTP Incompatible Materials	2,280	-	405	1,665	2,743	163	-	-	-	6,851
Water Protection	607	3,820	4,034	-	4,642	-	-	-	-	9,069
Water Treatment Plants SCADA Upgrades	2,862	971	2,173	431	1,087	283	141	-	-	5,775
Bay Area Regional Desalination, Mallard Slough Pilot Plant	300	-	50	-	-	-	-	-	-	300
Recycled Water Advanced Treatment Facility WPCP	3,095	900	-	31,570	12,449	7,950	-	-	-	55,964
Recycled Water Masterplan	3,278	-	-	3,775	6,333	-	-	-	-	13,386
Water Efficient Demonstration Garden	260	1,633	241	74	-	-	-	-	-	1,967
WTIP Mitigation, PWTP Landscape Improvements	4,771	918	-	26	-	-	-	-	-	5,715
FAHCE Stevens Creek Fish Passage Enhancement - 90%	-	-	-	761	2,083	2,330	5,120	3,680	-	13,973
Jacques Gulch Restoration	2,063	47	79	6,961	402	282	-	-	-	9,755
Corporation Yard Relocation - 38%	-	110	97	8	-	-	-	-	-	118
Telephones at Treatment Plants and Vasona	1,248	903	291	10	-	-	-	-	-	2,161
ISMP Computerized Maintenance Management - 50%	477	24	409	33	8	-	-	-	-	541
ISMP Water Resource Information System	1,966	748	-	240	174	-	-	-	-	3,128
Microwave Telecommunications System	-	-	-	2,537	22	-	-	-	-	2,559
Radio Repeater System Infill - 47%	-	-	-	294	215	-	-	-	-	509
TOTAL	169,152	42,478	27,561	116,361	73,734	85,323	41,725	38,879	163,870	731,522

FY 2007-08 Funds to be reappropriated

Project Funding Schedule for Watershed and Stream Stewardship Fund ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)	20,163	3,510	-	537	98	102	141	-	-	24,551
Permanente Creek, San Francisco Bay to Foothill Expressway	11,942	26	370	667	-	-	-	-	-	12,635
San Francisquito Creek, San Francisco Bay through Searsville Dam	4,000	-	1,288	-	4,469	-	-	-	-	8,469
Calabazas Creek, Bollinger Bridge	5,747	65	-	497	-	-	-	-	-	6,309
Calabazas Creek, Capacity Improvement	4,446	526	88	69	-	-	-	-	-	5,041
San Tomas Creek, Quito Road Bridges Replacement	418	-	126	82	22	23	24	-	-	569
Guadalupe River–Lower, Alviso Marina to Interstate 880	87,327	2,106	1,201	147	185	-	-	-	-	89,765
Guadalupe River–Downtown, Interstate 880 to Interstate 280	102,838	1,537	1,493	305	707	-	-	-	-	105,387
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd	12,720	7,422	9,134	7,730	4,306	6,981	501	4,883	17,838	62,381
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	78,612	539	99	64	-	-	-	-	-	79,215
Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)	-	618	-	64	4,526	3,457	-	-	-	8,665
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	2,344	-	2,246	-	-	216	147	-	-	2,707
Upper Penitencia Creek, Coyote Creek to Dorel Drive	14,754	30	5,367	203	-	55	-	-	-	15,042
Llagas Creek-Lower, Capacity Restoration	-	-	-	436	1,144	843	-	-	-	2,423
San Francisco Bay Shoreline - Planning	6,733	2,065	750	2,055	795	311	29	-	-	11,988
SMP Mitigation, Carnadero Preserve	3,532	227	314	-	-	-	-	-	-	3,759
SMP Mitigation, Coyote Parkway Freshwater Wetland	6,886	153	-	188	195	-	-	-	-	7,422
SMP Mitigation, Laguna Seca Freshwater Wetland	-	1,367	1,028	-	17,221	775	305	225	502	20,395
SMP Mitigation, Pajaro Basin Freshwater Wetland	3,282	1,207	87	101	195	204	-	-	-	4,989
SMP Mitigation, Stream and Watershed Land Preservation	8,601	1,784	5,835	-	-	-	985	61	-	11,431
Alviso Slough Restoration	2,101	484	186	-	-	-	-	-	-	2,585
FAHCE Stevens Creek Fish Passage Enhancement - 10%	-	-	-	85	231	259	569	409	-	1,553
Gold Street Educational Center	106	295	287	153	186	-	-	-	-	740
Pond A8 Applied Study Final Design & Construction	-	-	-	3,033	570	-	-	-	-	3,603
Corporation Yard Relocation - 62%	-	179	157	14	-	-	-	-	-	193
ISMP Computerized Maintenance Management - 50%	477	24	409	33	8	-	-	-	-	541
Radio Repeater System Infill - 53%	-	-	-	331	242	-	-	-	-	573
TOTAL	377,029	24,164	30,465	16,793	35,101	13,226	2,701	5,578	18,340	492,931

FY 2007-08 Funds to be reappropriated

Project Funding Schedule for Clean Safe Creeks and Natural Flood Protection Fund ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Permanente Creek, San Francisco Bay to Foothill Expressway	-	-	-	1,934	2,064	2,004	15,306	16,262	14,780	52,350
San Francisquito Creek, San Francisco Bay through Searsville Dam	-	-	-	-	924	2,770	2,886	2,354	1,130	10,064
Calabazas Creek, Miller Avenue to Wardell Road	6,020	-	304	894	1,162	11,008	1,132	209	269	20,694
Sunnyvale East and West Channel Planning	2,199	2,739	1,350	930	1,031	568	-	-	-	7,467
Sunnyvale East Channel, Guadalupe Slough to Interstate 280	-	-	-	-	-	4,238	4,416	5,712	123,287	137,653
Sunnyvale West Channel, Guadalupe Slough to Highway 101	-	-	-	-	-	1,023	1,066	10,951	801	13,841
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	45,199	7,684	585	33,177	3,936	4,309	15,468	8,487	8,772	127,032
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	6,312	2,630	3,285	1,972	8,857	535	463	311	906	21,986
Coyote Creek, Montague Expressway to Interstate 280	6,903	2,507	2,990	-	1,440	1,275	10,041	5,404	13,037	40,607
Llagas Creek–Upper, Buena Vista Road to Wright Avenue	11,374	-	1,824	468	798	198	118	123	539	13,618
CSC Soap Lake Floodplain Property Acquisition	2	248	236	-	-	-	-	-	-	250
CSC Stevens Creek Corridor Restoration, Blackberry Farms	300	618	43	-	2	-	-	-	-	920
TOTAL	78,309	16,426	10,617	39,375	20,214	27,928	50,896	49,813	163,521	446,482

FY 2007-08 Funds to be reappropriated

CIP Project Funding Schedule for General Fund ($K)

PROJECT NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Almaden and Winfield Campus, Small Capital Improvements	n/a	2,060	-	2,084	2,172	2,263	2,358	2,457	13,921	27,315
ISMP Infrastructure Upgrade	242	-	106	-	-	-	-	-	-	242
PeopleSoft System Upgrade	900	281	717	143	-	-	-	-	-	1,324
TOTAL	1,142	2,341	823	2,227	2,172	2,263	2,358	2,457	13,921	28,881

FY 2007-08 Funds to be reappropriated

FINANCIAL PLANNING AND SUMMARY

CIP Funding Schedule Summary for All Funds ($K)

FUND NAME	Through FY07	FY08	FY08 Unspent	FY09	FY10	FY11	FY12	FY13	FY14-18	TOTAL
Water Enterprise	169,152	42,478	27,561	116,361	73,734	85,323	41,725	38,879	163,870	731,522
Watershed Stream Stewardship	377,029	24,164	30,465	16,793	35,101	13,226	2,701	5,578	18,340	492,931
Clean, Safe Creeks and Natural Flood Protection	78,309	16,426	10,617	39,375	20,214	27,928	50,896	49,813	163,521	446,482
General	1,142	2,341	823	2,227	2,172	2,263	2,358	2,457	13,921	28,881
TOTAL	625,631	85,409	69,466	174,756	131,221	128,740	97,680	96,727	359,652	1,699,816

FY 2007-08 Funds to be reappropriated

APPENDIX A - CIP PRIORITY CRITERIA

WATER SUPPLY CAPITAL PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)	**Water Supply (E 2.1)**	Impact = ; Probability = 0.00
	☐ Project maintains existing water utility infrastructure to meet the current water supply demand, comply with water quality standards or meet other regulatory requirements.	
	☐ Project enhances water utility infrastructure to meet current water supply demand and comply with water quality standards [Example: improving the systematic reliability of water utility infrastructure to continually perform during and after a devastating event; improving the systematic flexibility of water utility infrastructure to utilize various source water; or add alternative ways to transmit water].	
	☐ Project positions the District to meet projected future water supply demand and projected water quality standards.	
CLEANER OBJECTIVE (10%)	**Flood Protection (E 2.2)**	0.00
	☐ YES	
	Mitigation (E 3.1)	
	☐ YES	
	Positive Interaction (E 4) - Check all that apply	
	☐ With the Community	☐ With other agencies
	Good Neighbor (E 4) - Check all that apply	
	☐ Graffiti removal or Prevention Features	☐ Noise reduction
	☐ Trash removal features (vortex weirs)	☐ Odor reduction
	☐ Improves esthetics of project location	☐
GREENER OBJECTIVE (15%)	**Ecological Function (E 3.2)** - Check all that apply	0.00
	☐ Fish Barrier Removal / Structural improvement to fish habitat	☐ Upland Habitat Protection/Preservation
	☐ Riparian Habitat (planting, setback or protect in place)	☐ Wetland Habitat Protection/Preservation
	☐ SRA Plantings or Improved water temperature	☐ Hardscape Reduction
	Physical Stream Function (E 3.2) - Check all that apply	☐
	☐ Holistic Watershed Approach	☐ Erosion Control
	☐ Geomorphologic Design Elements	☐ Sediment Source Reduction
	Water Quality (E 3.2) - Check all that apply	☐
	☐ Storm Water Treatment (pervious pavement, green roofs, etc.)	☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
	☐ TMDL Improvements	
	Natural Resources Sustainability (E 3.2) - Check all that apply	
	☐ Air Quality & Visibility Improvement	☐ Recycled Water, rain water or gray water utilized
	☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)	☐ Construction Site Waste Management
		☐ Recycle/Re-use Solid Waste
	☐ Renewable Energy Use	☐ Reduce Solid Waste Production
	☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.	☐ Use of Recycled or Alternative Building Materials
	Trails & Open Space (E3.3) - Check all that apply	
	☐ Trail friendly features	☐ Open Space Protection / Preservation
	☐ Provides/Improves Bicycle Commute Route	
LEANER OBJECTIVE	**Lifecycle costs are minimized** - Check One	0.00
	☐ Annual cost savings of more than $250,000	☐ Annual cost increase of more than $250,000
	☐ Annual cost savings of $50,000 to $250,000	☐ Annual cost increase of $50,000 to $250,000
	☐ Annual cost savings of less than $50,000 (reference ½ PY)	☐ Annual cost increase of less than $50,000
	Funding Available from Other Agencies - Check One	
	☐ Over 50% of project costs available from other agencies	
	☐ 26% to 50% of project costs available from other agencies	
	☐ Up to 25% of project costs available from other agencies	

APPENDIX A - CIP PRIORITY CRITERIA

FLOOD PROTECTION PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Flood Protection (E 2.2) Impact = ; Probability = 0.00

- ☐ Project restores existing watershed infrastructure to its intended level of flood protection.
- ☐ Project improves watershed infrastructure to achieve the committed level of flood protection.
- ☐ Project improves watershed infrastructure to provide flood protection beyond the level of commitment.

CLEANER OBJECTIVE (10%)

Water Supply (E 2.1) 0.00

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Noise reduction
- ☐ Trash removal features (vortex weirs)
- ☐ Odor reduction
- ☐ Improves esthetics of project location

GREENER OBJECTIVE (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Upland Habitat Protection/Preservation
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ Wetland Habitat Protection/Preservation
- ☐ SRA Plantings or Improved water temperature
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Erosion Control
- ☐ Geomorphologic Design Elements
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
- ☐ TMDL Improvements

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Renewable Energy Use
- ☐ Reduce Solid Waste Production
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Open Space Protection / Preservation
- ☐ Provides/Improves Bicycle Commute Route

LEANER OBJECTIVE

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX A - CIP PRIORITY CRITERIA

BUILDING & GROUNDS PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here

RAW SCORE = 0

PRIMARY OBJECTIVE (60%)

Buildings and Grounds (EL 3.4) Impact = ; Probability = 0.00

- ☐ Project maintains existing building infrastructure to provide continuous use of existing buildings and/or to comply with employer safety standards.
- ☐ Project enhances building infrastructure to address treatment of staff issues.
- ☐ Project positions the District to meet projected future space needs.

CLEANER OBJECTIVE (10%)

Water Supply (E 2.1) 0.00

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Noise reduction
- ☐ Trash removal features (vortex weirs)
- ☐ Odor reduction
- ☐ Improves esthetics of project location

GREENER OBJECTIVE (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Upland Habitat Protection/Preservation
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ Wetland Habitat Protection/Preservation
- ☐ SRA Plantings or Improved water temperature
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Erosion Control
- ☐ Geomorphologic Design Elements
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
- ☐ TMDL Improvements

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Renewable Energy Use
- ☐ Reduce Solid Waste Production
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Open Space Protection / Preservation
- ☐ Provides/Improves Bicycle Commute Route

LEANER OBJECTIVE

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX A - CIP PRIORITY CRITERIA

INFORMATION TECHNOLOGY PROJECTS

Priority Ranking Criteria

PRIORITY SCORE = **0**

Project Name Here SCORE = 0

PRIMARY OBJECTIVE (60%)

Information Technology (EL 7.5) Impact = ; Probability = 0.00

- ☐ Project maintains existing mission critical software systems and/or IT infrastructure to improve reliability for business continuity.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to improve user functionality.
- ☐ Project enhances mission critical software systems and/or IT infrastructure to meet projected future needs.

CLEANER OBJECTIVE (10%)

Water Supply (E 2.1) 0.00

- ☐ YES

Flood Protection (E 2.2)

- ☐ YES

Mitigation (E 3.1)

- ☐ YES

Positive Interaction (E 4) - Check all that apply

- ☐ With the Community
- ☐ With other agencies

Good Neighbor (E 4) - Check all that apply

- ☐ Graffiti removal or Prevention Features
- ☐ Noise reduction
- ☐ Trash removal features (vortex weirs)
- ☐ Odor reduction
- ☐ Improves esthetics of project location

GREENER OBJECTIVE (15%)

Ecological Function (E 3.2) - Check all that apply 0.00

- ☐ Fish Barrier Removal / Structural improvement to fish habitat
- ☐ Upland Habitat Protection/Preservation
- ☐ Riparian Habitat (planting, setback or protect in place)
- ☐ Wetland Habitat Protection/Preservation
- ☐ SRA Plantings or Improved water temperature
- ☐ Hardscape Reduction

Physical Stream Function (E 3.2) - Check all that apply

- ☐ Holistic Watershed Approach
- ☐ Erosion Control
- ☐ Geomorphologic Design Elements
- ☐ Sediment Source Reduction

Water Quality (E 3.2) - Check all that apply

- ☐ Storm Water Treatment (pervious pavement, green roofs, etc.)
- ☐ Hazardous Material Removal (Asbestos, Lead, Hydrocarbons, etc.)
- ☐ TMDL Improvements

Natural Resources Sustainability (E 3.2) - Check all that apply

- ☐ Air Quality & Visibility Improvement
- ☐ Recycled Water, rain water or gray water utilized
- ☐ Energy Efficient Features (Lighting, HVAC, maximize daylight use, etc.)
- ☐ Construction Site Waste Management
- ☐ Recycle/Re-use Solid Waste
- ☐ Renewable Energy Use
- ☐ Reduce Solid Waste Production
- ☐ Water Efficient Features: Plumbing fixtures, Landscaping, etc.
- ☐ Use of Recycled or Alternative Building Materials

Trails & Open Space (E3.3) - Check all that apply

- ☐ Trail friendly features
- ☐ Open Space Protection / Preservation
- ☐ Provides/Improves Bicycle Commute Route

LEANER OBJECTIVE

Lifecycle costs are minimized - Check One 0.00

- ☐ Annual cost savings of more than $250,000
- ☐ Annual cost increase of more than $250,000
- ☐ Annual cost savings of $50,000 to $250,000
- ☐ Annual cost increase of $50,000 to $250,000
- ☐ Annual cost savings of less than $50,000 (reference ½ PY)
- ☐ Annual cost increase of less than $50,000

Funding Available from Other Agencies - Check One

- ☐ Over 50% of project costs available from other agencies
- ☐ 26% to 50% of project costs available from other agencies
- ☐ Up to 25% of project costs available from other agencies

APPENDIX B - PROJECT LIST BY PRIORITY

Water Supply Capital Projects in Order of Priority

FUNDED
RWTP Facility Renewal Program
Alamitos Diversion Dam Improvements
Coyote Diversion Dam Improvements
Kirk Diversion Dam Improvements
PWTP Improvement, Stage 2
PWTP Water Pumps Modifications
San Luis Reservoir Low Point Improvement - Planning
PWTP Standby Power Upgrade
PWTP Maintenance Building
Kirk Diversion Fish Screen
PWTP Washwater Clarification Facility
Dam Instrumentation
Vasona Canal Improvement
Main Avenue Pipeline
IRP2 Seismic Study and Retrofit of WTP Ops Bldg
Lenihan Dam Outlet Modifications
Pacheco Pumping Plant Regulating Tank Recoating
RWTP Reliability Improvement
Almaden-Calero Canal Rehabilitation
Coyote Dam Control Building Improvements
Water Protection
San Felipe Communications Cable Replacement
SCADA Wireless System Overhaul for Dams and Reservoirs
STWTP Incompatible Materials
PWTP Backwash Pump Replacement
RWTP Chemical System Upgrade
Pacheco Pumping Plant ASD Replacement
PWTP Ammonia System Relocation and Upgrades
PWTP Chemical Systems Upgrade
Santa Clara Valley Recharge Ponds
Pipeline Hydraulic Reliability Upgrades
RWTP Valve Replacements
Water Treatment Plants SCADA Upgrades
IRP2 Backup Raw Water Control Center at Almaden
Kirk Ditch Improvements
Almaden Dam Outlet Works Improvements
Treated Water Pipline Turnout Improvement
Vasona Pumping Plant Electrical Upgrades
Penitencia Fish Facilities Modifications
Stevens Creek Diversion

APPENDIX B - PROJECT LIST BY PRIORITY

Water Supply Capital Projects in Order of Priority (cont'd)

FUNDED
Page Desilting System Improvements
PWTP Large Valve Automation
Santa Clara Distributary Turnout
PWTP Cooling Water Pump Modifications
Recycled Water Advanced Treatment Facility WPCP
San Tomas Well Field
PWTP Filter Basin Covers
IRP2 Self-Sufficient SCADA System
South County Pipeline Right of Way Acquisition
Calero/Fellows Dike Improvement
Recycled Water Masterplan - Immediate-Term Implementation
Recycled Water Materplan - Short-Term Implementation
Water Efficient Demonstration Garden
Bay Area Regional Desalination, Mallard Slough Pilot Plant

LOWER PRIORITY OR UNDEFINED FUTURE PROJECTS
RWTP Filter Polymer System Improvement
San Luis Reservoir Low Point Improvement - Design and Construction
IRP2 Additional Line Valves
IRP2 East Side Well Field
IRP2 West Side Well Field
Church Avenue Diversion
RWTP BL-1 Valve & Vault Replacement
RWTP Advanced Treatment
South County Recharge Ponds
Madrone Pipeline
Recycled Water - Advanced Treatment Plant - Coyote Valley
WTP Filter Backwash Aid
Calero Dam Outlet Works Rehab
RWTP Waste Stream Separation Modification
Treated Water Air Valves Replacement
Recycled Water Materplan - Long-Term Implementation
STWTP Chemical Tank MOVs & Instrumentation
Coyote Pumping Plant ASD Replacement
Milpitas Pipeline Terminus Valve & Vault
Guadalupe Dam Outlet Works Rehab
Anderson Reservoir Bank Erosion Repair
San Felipe Pipeline Upgrades
Santa Clara Tunnel Leakage and Pacheco Conduit Dewater
Valve 906 Low-Flow Bypass

APPENDIX B - PROJECT LIST BY PRIORITY

Flood Protection Capital Projects in Order of Priority

FUNDED
Permanente Creek, San Francisco Bay to Foothill Expressway
Sunnyvale East and West Channel Planning
Sunnyvale East Channel, Guadalupe Slough to Interstate 280
Guadalupe River–Lower, Alviso Marina to Interstate 880
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd
Calabazas Creek, Capacity Improvement
San Francisquito Creek, San Francisco Bay through Searsville Dam
Llagas Creek-Lower, Capacity Restoration
Llagas Creek–Upper, Buena Vista Road to Wright Avenue
Upper Penitencia Creek, Coyote Creek to Dorel Drive
Guadalupe River–Upper, Interstate 280 to Blossom Hill Road
Guadalupe River–Downtown, Interstate 880 to Interstate 280
Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)
Sunnyvale West Channel, Guadalupe Slough to Highway 101
Coyote Creek, Montague Expressway to Interstate 280
Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)
Calabazas Creek, Miller Avenue to Wardell Road
Berryessa Creek, Calaveras Boulevard to Old Piedmont Road
Calabazas Creek, Bollinger Bridge
San Francisco Bay Shoreline
San Tomas Creek, Quito Road Bridges Replacement
Thompson Creek Stream Stabilization, Quimby Road to Aborn Road
Adobe Creek, El Camino Real to Rhus Ridge (Reach 1-13)

PROPOSED FUTURE PROJECTS
Lake Cunningham Improvements
Lower Silver Creek, I-680 to Cunningham Ave (R4-6)
Babb/Piedmont/Los Coches Creeks, Channel Rehabilitation
SF Bay Shoreline Early Implementation Design & Construct
Canoas Creek, Guadlaupe River to Cottle Road
Calabazas Creek, Wardell to Comer Debris Basin
Alamitos Creek, Guadalupae River to Almaden Dam
Coyote Creek Overflow Channel Restoration, Montague Expwy
Los Gatos Creek, Twin Brook Drive
Alviso Slough Design and Construction

APPENDIX B - PROJECT LIST BY PRIORITY

Mitigation Capital Projects in Order of Priority

FUNDED
SMP Mitigation, Carnadero Preserve
SMP Mitigation, Coyote Parkway Freshwater Wetland
SMP Mitigation, Laguna Seca Freshwater Wetland
SMP Mitigation, Pajaro Basin Freshwater Wetland
SMP Mitigation, Stream and Watershed Land Preservation
WTIP Mitigation, PWTP Landscape Improvements

Enhancement Capital Projects in Order of Priority

FUNDED
Alviso Slough Restoration
CSC Soap Lake Floodplain Property Acquisition
CSC Stevens Creek Corridor Restoration, Blackberry Farms
FAHCE Stevens Creek Fish Passage Enhancement
Gold Street Educational Center
Jacques Gulch Restoration
Pond A8 Applied Study Final Design & Construction

Buildings and Grounds Capital Projects in Order of Priority

FUNDED
Almaden and Winfield Campus, Small Capital Improvements
Corporation Yard Relocation
Telephones at Treatment Plants and Vasona

PROPOSED FUTURE PROJECTS
Corporation Yard Implementation

Information Technology Capital Projects in Order of Priority

FUNDED
ISMP Water Resource Information System
Radio Repeater System Infill
ISMP Infrastructure Upgrade
ISMP Computerized Maintenance Management System
PeopleSoft System Upgrade
Microwave Telecommunications System

PROPOSED FUTURE PROJECTS
ISMP Electronic Document Management System

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Reimbursements are funds that are reimbursed by the District's partners after the District advances the needed funds. The follwing table identifies capital projects that are funded cooperatively with the District's partners through reimbursements.

Partnership Reimbursement

Project Number	Project Name	Amount ($K)	Partnering Agency
91954001	Pacheco Pumping Plant ASD Replacement	3,023	San Benito County Water District
91214007	San Luis Reservoir Low Point Improvement - Planning	14,038	Department of Water Resources
91214007	San Luis Reservoir Low Point Improvement - Planning	46	U.S. Bureau of Reclamation
91124001	San Tomas Well Field	4,500	Campbell Redevelopment Agency
91184008	Recycled Water Advanced Treatment Facility WPCP	19,000	City of San Jose
91184008	Recycled Water Advanced Treatment Facility WPCP	3,000	Department of Water Resources
91184008	Recycled Water Advanced Treatment Facility WPCP	5,500	U.S. Army Corps of Engineers
91154006	Water Efficient Demonstration Garden	146	Department of Water Resources
20104018	Calabazas Creek, Capacity Improvement	28	City of Santa Clara
30154011	Guadalupe River–Lower, Alviso Marina to Interstate 880	2,326	City of San Jose
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	30,587	State Subventions
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	7,593	City of San Jose
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	9,904	San Jose Redeveloopment Agency
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	54,300	State Subventions
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	3,653	City of San Jose
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	7,600	State Subventions
40264001s	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	165	Natural Resource Conservation Service
40264001s	Lower Silver Creek, Coyote Creek to Interstate 680 (Reach 1-3)	24,278	State Subventions
40264012	Lower Silver Creek, I-680 to Cunningham, Reimbursable (Reach 4-6)	7,571	State Subventions
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	6,420	State Subventions
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	340	City of Morgan Hill
91854002	Jacques Gulch Restoration	225	County of Santa Clara
62044020	Pond A8 Applied Study Final Design & Construction	1,125	Regional Water Quality Control Board
	TOTAL	$205,368	

APPENDIX C - DISTRICT PARTNERSHIP SUMMARY

Partnership Funding is funds that are made available by the District's partners, when needed. The following table identifies capital projects that receive partnership funding. This may occur through either cost sharing agreements or as in-kind services.

Partnership Funding

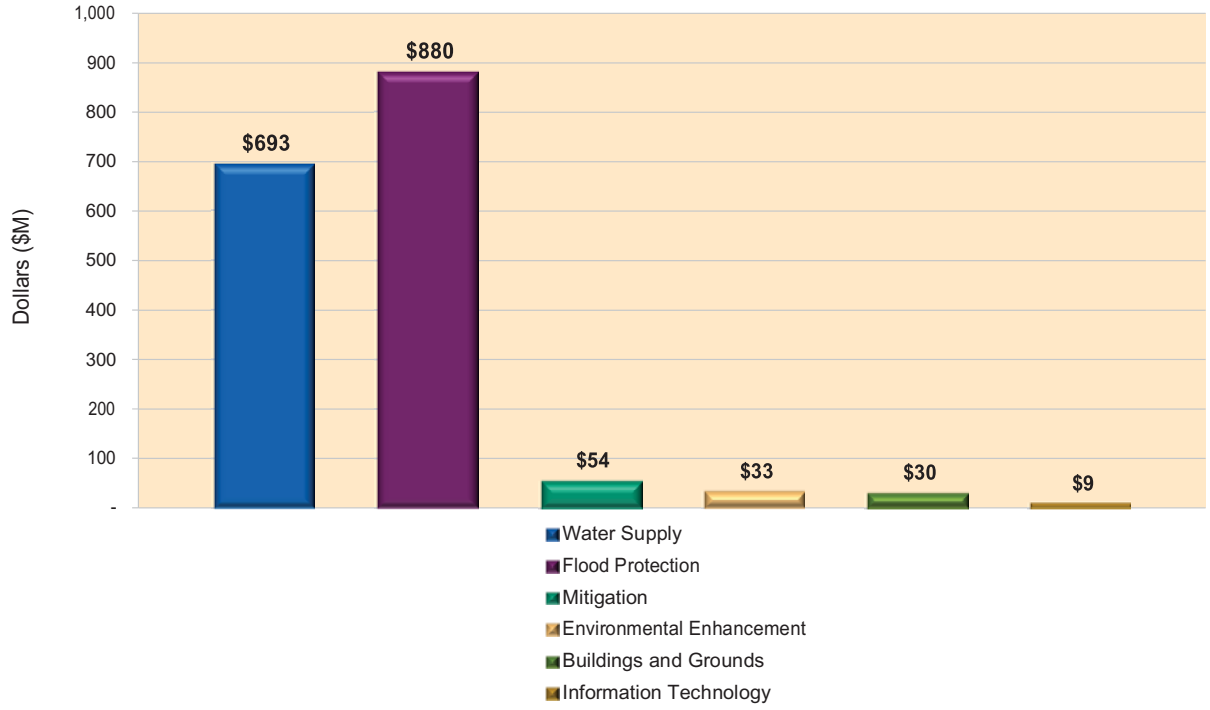
Project Number	Project Name	Amount ($K)	Partnering Agency
94084005	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	East Bay Municipal Utility District
93084009	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	San Francisco Public Utilities Commission
91084017	Bay Area Regional Desalination, Mallard Slough Pilot Plant	258	Contra Costa Water District
91184008	Bay Area Regional Desalination, Mallard Slough Pilot Plant	1,000	Department of Water Resources
10284007	San Francisquito Creek, San Francisco Bay through Searsville Dam	3,000	U.S. Army Corps of Engineers
26C40179	San Francisquito Creek, San Francisco Bay through Searsville Dam	1,500	County of San Mateo
20194005	San Tomas Creek, Quito Road Bridges Replacement	3,064	CALTRANS
20194005	San Tomas Creek, Quito Road Bridges Replacement	180	Town of Los Gatos
20194005	San Tomas Creek, Quito Road Bridges Replacement	180	City of Saratoga
30154011	Guadalupe River–Lower, Alviso Marina to Interstate 880	-	City of San Jose
30154013s	Guadalupe River–Downtown, Interstate 880 to Interstate 280	158,000	U.S. Army Corps of Engineers
26154001s	Guadalupe River–Upper, Interstate 280 to Blossom Hill Road	40,200	U.S. Army Corps of Engineers
26174041s	Berryessa Creek, Calaveras Boulevard to Old Piedmont Road	19,000	U.S. Army Corps of Engineers
62214001	Thompson Creek Stream Stabilization, Quimby Road to Aborn Road	4,415	U.S. Army Corps of Engineers
26174051s	Llagas Creek–Upper, Buena Vista Road to Wright Avenue	22,000	U.S. Army Corps of Engineers
91854002	Jacques Gulch Restoration	4,000	County of Santa Clara
	TOTAL	$ 257,313	

APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Type of Improvement ($K)

	Through FY07 (Actuals)	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	Total
Water Supply	123,785	47,885	128,521	74,402	82,711	36,605	35,199	57,318	62,817	40,657	2,172	905	692,978
Flood Protection	378,031	53,024	79,897	38,769	42,033	51,738	54,696	89,451	70,324	19,388	905	1,290	879,547
Mitigation	18,968	6,546	3,238	19,398	2,733	2,073	286	234	268	-	-	-	53,744
Environmental Enhancement	3,461	1,972	11,781	3,486	2,871	5,689	4,089	-	-	-	-	-	33,349
Buildings and Grounds	657	3,298	2,380	2,172	2,263	2,358	2,457	2,560	2,667	2,780	2,896	3,018	29,506
Information Technology	1,233	2,264	5,251	669	-	-	-	-	-	-	-	-	9,417
TOTAL	526,135	114,989	231,068	138,896	132,611	98,463	96,727	149,563	136,076	62,825	5,973	5,213	1,698,541

CIP Expenditures by Type of Improvement

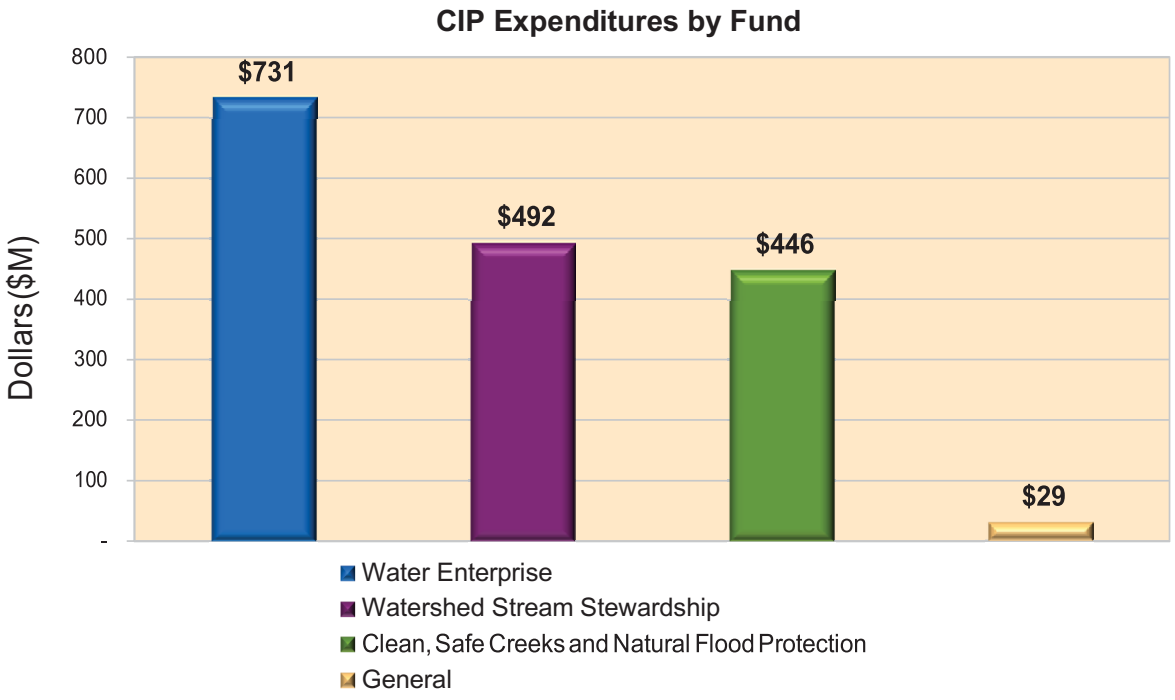


APPENDIX D - SUMMARY OF CAPITAL EXPENDITURES

Expenditure Schedule by Fund ($K)

	Through FY07 (Actuals)	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	TOTAL
Water Enterprise	131,511	52,558	139,985	77,305	85,323	41,725	38,879	57,318	62,817	40,657	2,172	905	731,156
Watershed Stream Stewardship	337,490	32,788	39,897	37,350	17,097	3,484	5,578	541	588	15,143	891	1,177	492,023
Clean, Safe Creeks and Natural Flood Protection	56,900	27,218	48,136	22,069	27,928	50,896	49,813	89,144	70,004	4,245	14	113	446,481
General	235	2,425	3,050	2,172	2,263	2,358	2,457	2,560	2,667	2,780	2,896	3,018	28,881
TOTAL	526,135	114,989	231,068	138,896	132,611	98,463	96,727	149,563	136,076	62,825	5,973	5,213	1,698,541

There is currently a $35 million revenue shortfall to meet the planned expenditures in the Clean, Safe Creeks and Natural Flood Protection Fund. District staff is working with the Board to develop a method for addressing this revenue shortfall.



APPENDIX E - GLOSSARY

Ad Valorem Tax
A tax based on value (e.g., a property tax).

Appropriation
An appropriation is a legal authorization grated by the Santa Clara County Board of Supervisors which allows the District to expend cash and incur obligations for specific purposes. An appropriation is usually limited in amount and the time it may be expended.

Assessment
The process of setting the official valuation of property for taxation; the valuation placed upon property as a result of this process.

Asset
A probable future economic benefit obtained or controlled by a particular entity as a result of past transactions or events. Examples of assets are cash, receivables, and equipment.

Benefit Assessment
Determination of the benefits derived from District activities within particular watersheds and levying a proportionate share of taxes to each parcel subject to voter-approved limitations.

Bonds
Bonds are a long-term source of debt that provides a source of borrowed monies that can be used to pay for specific capital facilities. Bonds are a written promise to pay a specified sum of money at a predetermined date or dates in the future, called the maturity date(s), together with periodic interest at a specific rate.

Capital Expenditure
Capital expenditures fall into several categories. In general, they should create assets or extend the useful lives of existing assets. The work product results in a long-term benefit greater than two years and for budgeting purposes involved a major expenditure of district resources greater than $50,000. They can be made with regard to tangible and intangible assets.

The general categories of capital expenditures are: rehabilitation, major repairs, improvements/ betterments/ upgrades, replacements, expansions/ additions, and ancillary expenditures.

Capital Projects
Projects are budgeted within the Capital budget and fall within the definition of Capital Expenditures; which means they (1) create or extend the life of an asset, (2) their work products have a useful life of greater than two years, and (3) they involve an expenditure of District resources in excess of $50,000.

Certificates of Participation (COPs)
A security in the general form of a bond, which evidences a proportionate participation in a flow of lease or other payments between two parties.

CEQA
California Environmental Quality Act

CIP
Capital Improvement Plan

Cost Center
Cost Centers are separate financial accounting centers in which costs are accumulated because of legal and accounting requirements, the first two digits of a project number identifies the cost center.

DWR
State Department of Water Resources

EIR
Environmental Impact Report

Encumbrances
Commitments related to unperformed (executory) contracts for goods or services. Encumbrances represent the estimated amount of expenditures that will result if unperformed contracts in process are completed.

APPENDIX E - GLOSSARY

Enterprise Fund
Enterprise Funds are used to account for operations including debt service (a) that are financed and operated in a manner similar to private business, where the intent of the government body is that the costs (expenses, including depreciation) of providing goods or services to the general public on a accounting basis is financed or recovered primarily though user charges; or (b) where the governing body has determined that periodic determination of revenues earned, expenses incurred, and/or net income is appropriate for capital maintenance, public policy, management control accountability, or other purposes.

Expenditure/Expense
Decreases in net financial resources. Expenditures include current operating expenses requiring the present or future of net current assets, debt service and capital outlays, and intergovernmental grants, entitlements, and shared revenues. The major expenditure categories used by the District are labor and overhead, land and structures, equipment, and debt service.

Facility
Defined as a creek, reservoir, dam, water treatment plant, pipeline, canal, etc.

Fixed Assets
Fixed Assets are defined as long-lived tangible assets such as automobiles, computers and software, furniture, communications equipment, hydrologic equipment, office equipment, and other equipment, with a value of $2,000 or more, or the combined value of like ore related units (aggregate value) is greater than $5,000 if the unit value is less than $2,000.

Fiscal Year
A 12-month period to which the annual operating budget applies and at the end of which a government determines its financial position and the results of its operations. The District's fiscal year is July 1 through June 30.

Fund
A fiscal and accounting entity with a self-balancing set of accounts in which cash and other financial resources, all related liabilities and residual equities, or balances, and changes therein, are recorded and segregated to carry on specific activities or attain certain objectives in accordance with special regulations, restrictions or limitations.

General Fund
A fund used to account for major operating revenues and expenditures, except for those financial transactions that are required to be accounted for in another fund. General Fund revenues are derived primarily from property and other taxes.

Grants
Contributions or gifts of cash or other assets from another government entity to be used or expended for a specified purpose, activity, or facility.

Levy
(1. Verb) To impose taxes, special assessments, or service charges for the support of government activities; (2. Noun) The total amount of taxes, special assessments, or service charges imposed by a government agency.

Long-Term Debt
Debt with a maturity date of more than one year after the date of issuance.

One Percent Flood or 100 Year Flood
Has a 1% chance of occuring in a given year. Water District projects are usually designed for the 1% flood, a national standard established by the Federal Emergency Management Agency (FEMA).

APPENDIX E - GLOSSARY

Operating Expenditure

Operating expenditures are system costs required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services.

Operating expenditures are costs necessary to maintain the systems in good operating condition. This includes the repair and replacement of minor property components. The American Waterworks Association (AWWA) says that these priority components should be smaller than a retirement unit; a retirement unit is a readily separable and separately useful item that is part of a larger assembly. The benefit and life of such repairs should be less than two years. Any repairs that recur on an annual basis are considered operating activities of a maintenance nature.

Operating expenditures are often separated into fixed and variable costs for purposes of under standing operating leverage and structuring service charge rates.

Operations

Expenditures required for the daily process of providing water and watershed management services, including the administrative and overhead costs to support these services. Operations include work that is generally of an ongoing or recurring nature. Any District work that is not a project is, by definition, an Operation. Operations, although recurring, require close coordination and a high degree of management oversight; however, they can be accomplished without the application of the full range of tools and processes used for managing projects.

Projects

At the Santa Clara Valley Water District, a project is any undertaking which has (1) a beginning and an ending, (2) a one-time occurrence. Projects can require expenditure of capital or operating funds and, at the District, are called Capital or Operating Projects, accordingly. Project usually, but no always, relate to a District facility or facilities (a creek, a reservoir, a dam, a water treatment plant, a pipeline,, etc.). Projects may include studies, design, construction, maintenance, or implementation of systems such as Records Management or Financial Management System.

Revenue

Monies the District receives in exchange for services or sales provided. Revenue items include water sales, property tax revenues, benefit assessment revenues, interest income, intergovernmental reimbursement, and other.

Revenue Bonds

Bonds, whose principal and interest are payable exclusively from earnings of an enterprise fund. In addition to a pledge of revenues, such bonds sometimes contain a mortgage on the enterprise fund's property.

Reserve

An account used to indicate that a portion of a fund's assets are legally restricted for a specific purpose and is, therefore, not available for general appropriation.

APPENDIX F - INDEX

A

Alignment with Ends Policies, Overview..... I-1 thru II-2

B

Budget Outlook, Introduction..... I-1 thru I-10

C

Capital Improvements and Funding Sources, Buildings and Grounds I-2
Capital Improvements and Funding Sources, Environmental Enhancement..VI-2
Capital Improvements and Funding Sources, Flood Protection..... IV-3 thru IV-4
Capital Improvements and Funding Sources, Information Technology VIII-2
Capital Improvements and Funding Sources, Mitigation V-2
Capital Improvements and Funding Source, Water Supply..... III-3 thru III-4
CIP Planning Process, Overview ..... II-2 thru II-4
CIP Summary, Fiscal Year 2008-09, Overview .....II-5 thru II-8

D

District Partnership Summary List, Appendix C .....X-9 thru X-10

E

Expenditures, Summary of, Appendix D..... X-11 thru X-12

F

Financial Planning, CIP ..... IX-1 thru IX-4
Funding Summary, CIP.....IX-5

G

Glossary, Appendix E ..... X-13 thru X-15

I

Introduction ..... I-1 thru I-10

L

Local Economy, Introduction I-10

O

Overview, Buildings and Grounds.....VII-1
Overview, CIP II-1
Overview, Environmental Enhancement..... VI-1
Overview, Flood Protection ..... IV-1 thru IV2
Overview, Information Technology VIII-1

APPENDIX F - INDEX

Overview, Mitigation V-1
Overview, Water Supply III-1

P

Priorities and Challenges, Introduction ..... I-4 thru I-5
Priority Criteria, Appendix A ..... X-1 thru X-4
Priority Process and Financial Analysis, Buildings and Grounds VII-1
Priority Process and Financial Analysis, Environmental Enhancement VI-1
Priority Process and Financial Analysis, Flood Protection IV-2
Priority Process and Financial Analysis, Information Technology VIII-1
Priority Process and Financial Analysis, Mitigation V-1
Priority Process and Financial Analysis, Water Supply III-2
Project Funding Schedules, All Funds - Summary IX-10
Project Funding Schedules, Clean Safe Creeks and Natural Flood Protection Fund . IX-9
Project Funding Schedules, General Fund IX-9
Project Funding Schedules, Water Enterprise Fund ..... IX-6 thru IX-7
Project Funding Schedules, Watershed and Stream Stewardship Fund IX-8
Project List by Priority, Appendix B ..... X-5 thru X-8
Project Pages, Buildings and Grounds ..... VII-3 thru VII-8
Project Pages, Environmental Enhancement ..... VI-3 thru VI-16
Project Pages, Flood Protection Coyote Watershed ..... IV-39 thru IV-52
Project Pages, Flood Protection Guadalupe Watershed ..... IV-29 thru IV-36
Project Pages, Flood Protection Lower Peninsula Watershed ..... IV-7 thru IV-12
Project Pages, Flood Protection Multiple Watersheds ..... IV-61 thru IV-62
Project Pages, Flood Protection Uvas/Llagas Watershed ..... IV-55 thru IV-58
Project Pages, Flood Protection West Valley Watershed ..... IV-15 thru IV-28
Project Pages, Information Technology ..... VIII-3 thru VIII-14
Project Pages, Mitigation ..... V-3 thru V-14
Project Pages, Water Supply Recycled Water Facilities ..... III-127 thru III134
Project Pages, Water Supply Storage Facilities ..... III-7 thru III-28
Project Pages, Water Supply Transmission Facilities ..... III-29 thru III-68
Project Pages, Water Supply Treatment Facilities ..... III-71 thru III-124

R

Revenue Outlook, Introduction ..... I-6 thru I-9

S

Streamline and Sustain for FY 2008-09, Introduction ..... I-2 thru I-3

Santa Clara Valley Water District℠

Santa Clara Valley Water District
5750 Almaden Expressway
San Jose, CA 95118-3686
Phone: (408) 265-2600
Fax: (408) 266-0271
www.valleywater.org

Printed on recycled paper using soy-based inks. (35)